STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER: Bonanza 1023-5IS
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○		3. FIELD OR WILDCAT: NATURAL BUTTES
4. TYPE OF WELL: Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE: 720 929-6587
8. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL: mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): UTU-33433	11. MINERAL OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○	12. SURFACE OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ○ (Submit Commingling Application) NO ◉	19. SLANT: VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1165 FSL 1030 FEL	SESE	5	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	1165 FSL 1030 FEL	SESE	5	10.0 S	23.0 E	S
At Total Depth	1635 FSL 1008 FEL	NESE	5	10.0 S	23.0 E	S

21. COUNTY: UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet): 1008	23. NUMBER OF ACRES IN DRILLING UNIT: 1922
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 20	26. PROPOSED DEPTH: MD: 8352 TVD: 8300
27. ELEVATION - GROUND LEVEL: 5300	28. BOND NUMBER	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME: Kevin McIntyre	TITLE: Regulatory Analyst I	PHONE: 720 929-6226
SIGNATURE	DATE: 10/22/2008	EMAIL: Kevin.McIntyre@anadarko.com

API NUMBER ASSIGNED	APPROVAL
43047501690000	Permit Manager

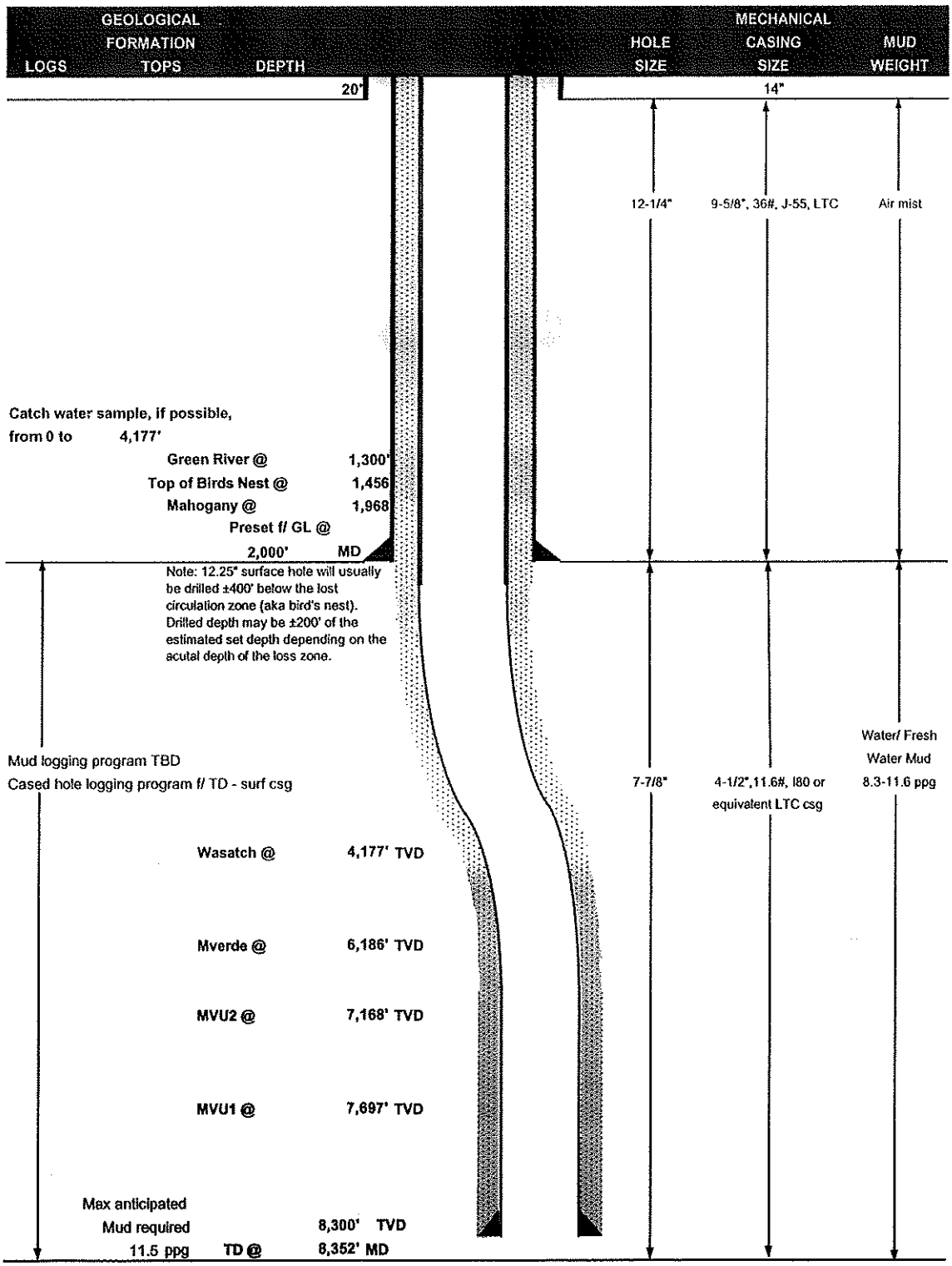
Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2000		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2000	36.0			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	2000			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Foamed Cement	265	1.18	15.6

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	8352		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	8352	11.6			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	8352			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Lite High Strength	350	3.38	11.0
			Pozzuolanic Cement	1150	1.31	14.3

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	September 24, 2008	
WELL NAME	Bonanza 1023-5IS		TD	8,300' TVD	8,352' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,300' GL KB 5,315'
SURFACE LOCATION	NESE 1635' FSL & 1008' FEL, Sec. 5, T 10S R 23E				
	Latitude: 39.975242	Longitude: -109.344244		NAD 27	
BTM HOLE LOCATION	SESE 1165' FSL & 1030' FEL, Sec. 5, T 10S R 23E				
	Latitude: 39.973953	Longitude: -109.344328		NAD 27	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS AND SURFACE), UDOGM, Trl-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2000	36.00	J-55	LTC	1.12	2.16	8.01
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8300	11.60	I-80	LTC	2.48	1.28	2.38

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3320 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+.25 pps Flocele + 3% salt BWOW				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,672'	Premium Lite II + 3% KCl + 0.25 pps	350	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,680'	50/50 Poz/G + 10% salt + 2% gel	1150	40%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

Bonanza 1023-5IS
Twin to South Canyon 4-5
NESE Sec. 5, T10S,R23E
UINTAH COUNTY, UTAH
UTU-33433

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1300'
Bird's Nest	1456'
Mahogany	1968'
Wasatch	4177'
Mesaverde	6186'
MVU2	7168'
MVL1	7697'
TVD	8300'
TD	8352'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1300'
	Bird's Nest	1456'
	Mahogany	1968'
Gas	Wasatch	4177'
Gas	Mesaverde	6186'
Gas	MVU2	7168'
Gas	MVL1	7697'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP. See attached drilling diagram.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8300' TD, approximately equals 5146 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3320 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the

surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi.

The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

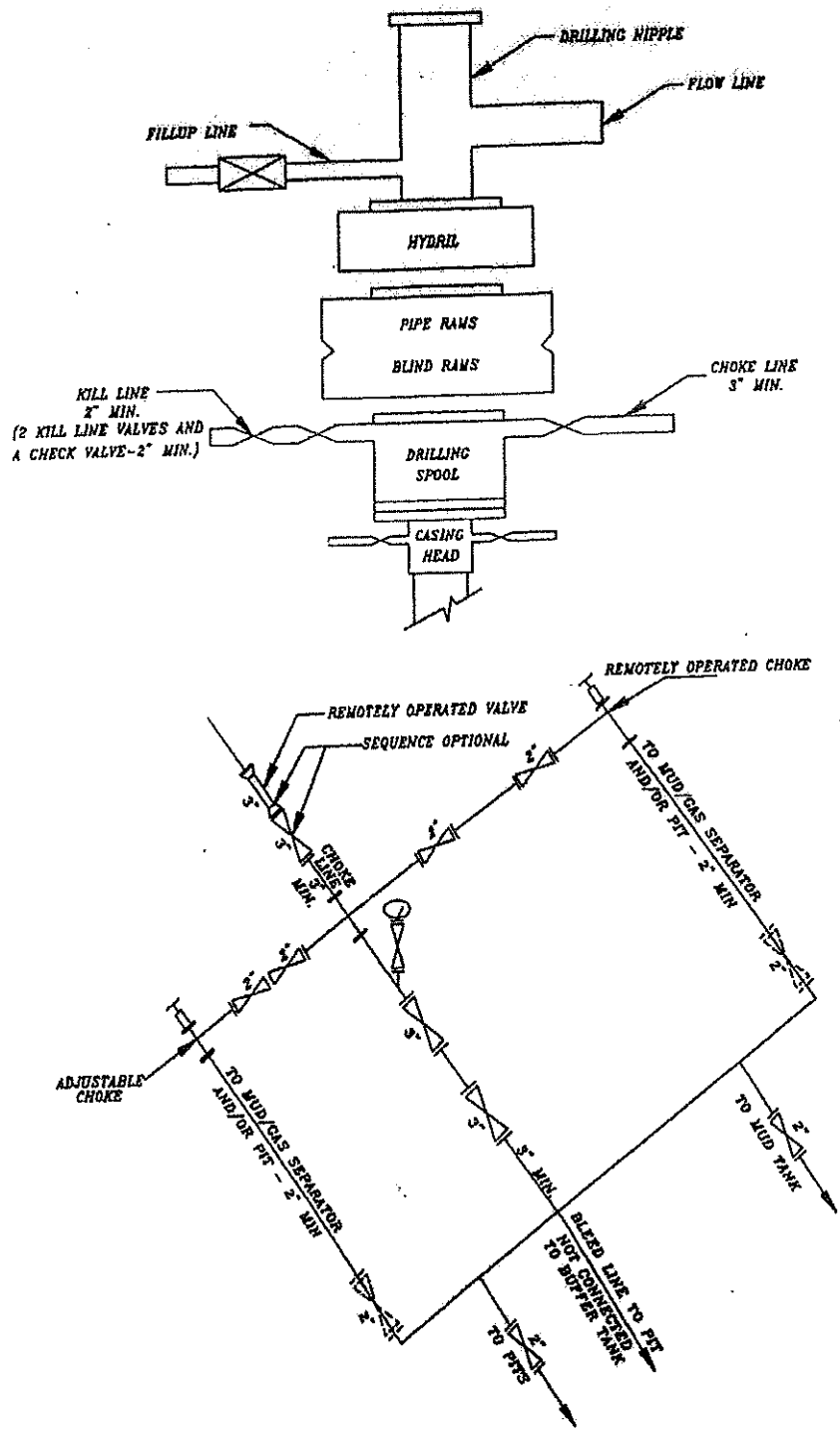
Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. Other Information:

Please see Natural Buttes Unit SOP.

Bonanza 1023-5IS

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

Bonanza 1023-5IS
NESE Sec. 5 ,T10S,R23E
UINTAH COUNTY, UTAH
UTU-33433

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

   Refer to the attached location directions.

   Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

   No new access road is proposed, as there is an existing access of 42'. Refer to Topo Map B.

   Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

   Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. **Location of Existing Wells Within a 1-Mile Radius:**

   Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

   No new pipeline, as we will be utilizing the existing South Canyon #4-5 pipeline. No TOPO D attached.

   Please see the Natural Buttes Unit SOP.

   Variances to Best Management Practices (BMPs) Requested:

   All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray (2.5Y 6/2), a non-reflective earthtone.

   Interim Surface Reclamation Plan:

   This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

Upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for ***drilled*** seed are:

Crested Wheatgrass 12 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface/Mineral Ownership:**

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. **Stipulations/Notices/Mitigation:**

There are no stipulations or notices for this location.

13. **Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

14. **Lessee's or Operator's Representative & Certification:**

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Kevin McIntyre

9/24/2008
Date

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-5IS
SECTION 5, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE EXISTING ACCESS FOR SC #4-5 TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 42' TO THE EXISTING LOCATION SC #4-5 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5IS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 5, T10S, R23E, S.L.B.&M.

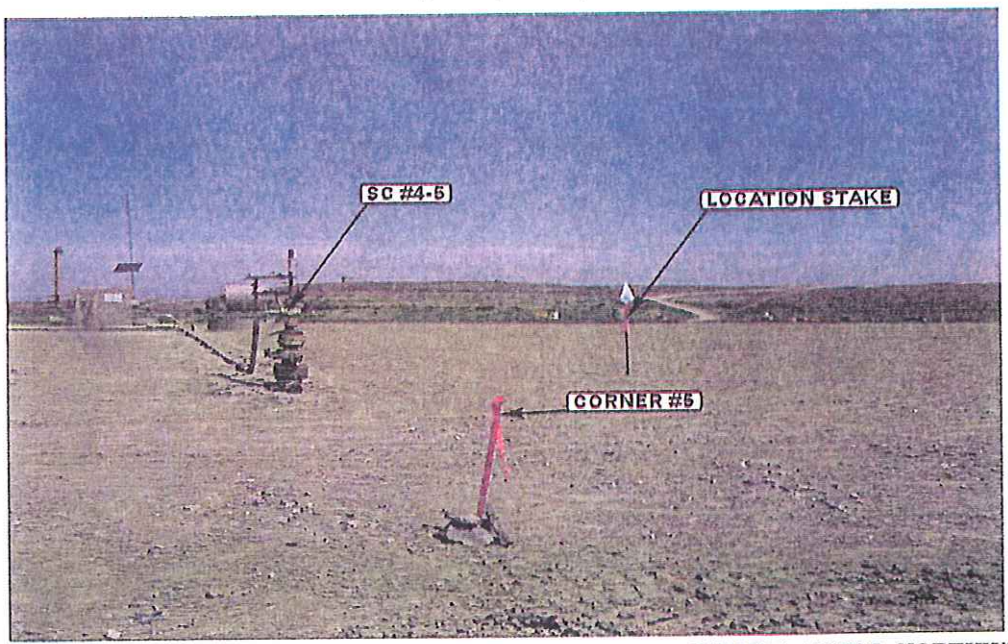


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

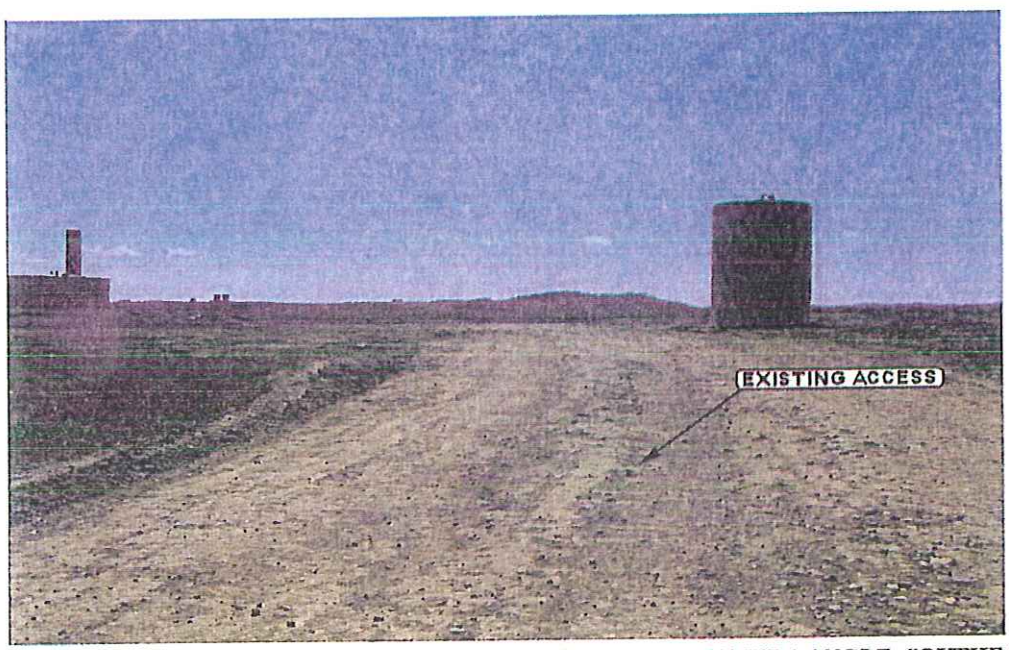


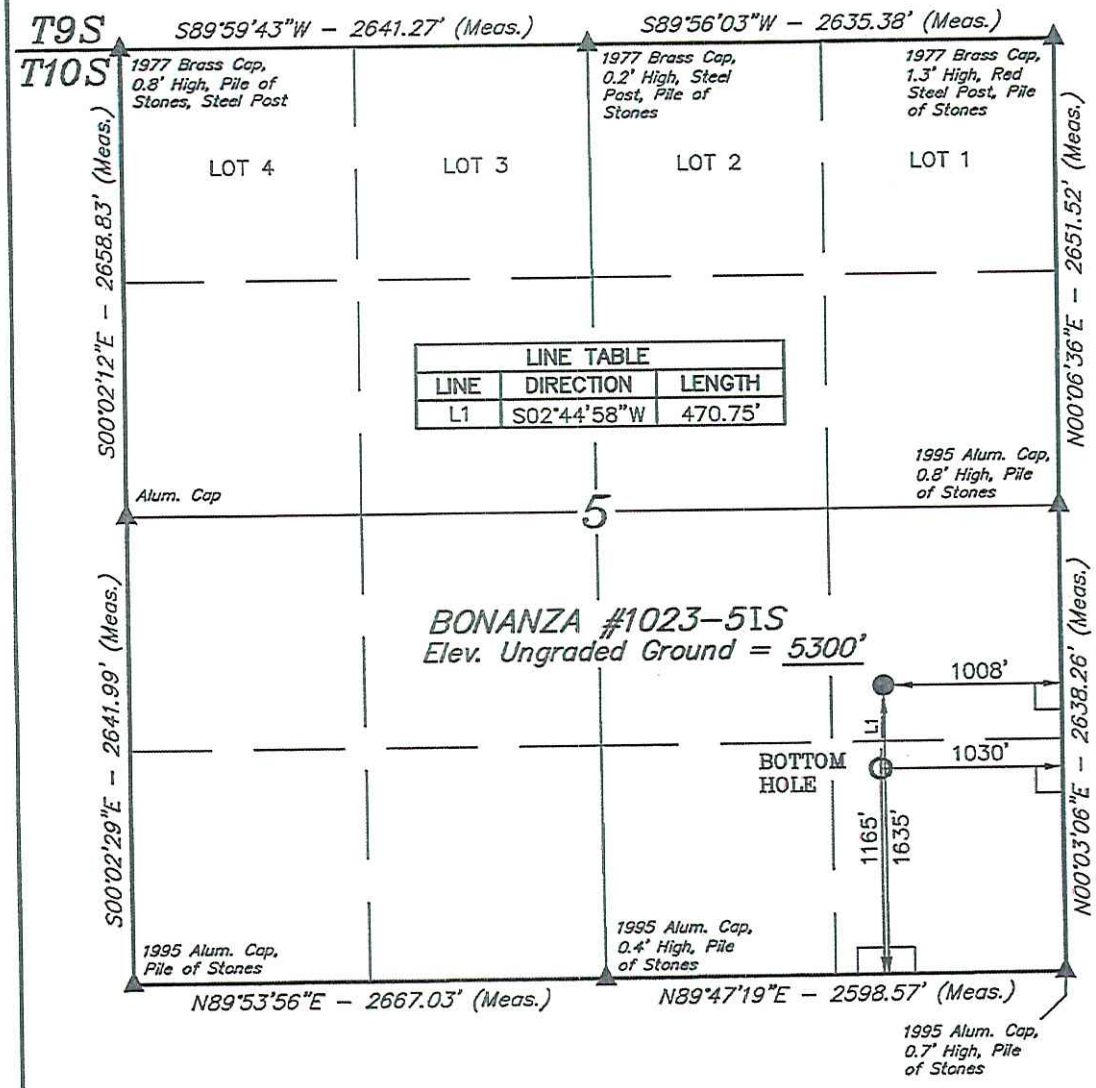
PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY

· Since 1964 ·
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	07 MONTH	10 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: J.J.	REVISED: 00-00-00		

T10S, R23E, S.L.B.&M.



Kerr–McGee Oil & Gas Onshore LP

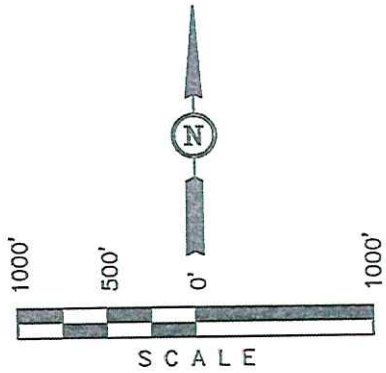
Well location, BONANZA #1023–5IS, located as shown in the NE 1/4 SE 1/4 of Section 5, T10S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REV: 07–22–08 C.H.
REV: 06–10–08 C.H.

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°58'26.11" (39.973919)	LATITUDE = 39°58'30.75" (39.975208)
LONGITUDE = 109°20'42.02" (109.345006)	LONGITUDE = 109°20'41.72" (109.344922)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°58'26.23" (39.973953)	LATITUDE = 39°58'30.87" (39.975242)
LONGITUDE = 109°20'39.58" (109.344328)	LONGITUDE = 109°20'39.28" (109.344244)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	02–21–06	02–22–06
PARTY: L.K. D.D. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr–McGee Oil & Gas Onshore LP	

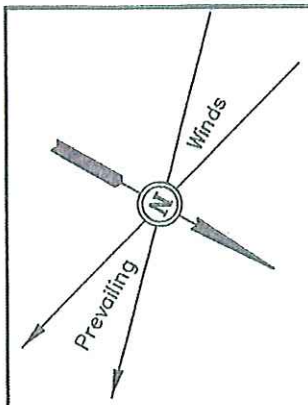
API Well No: 43047501690000

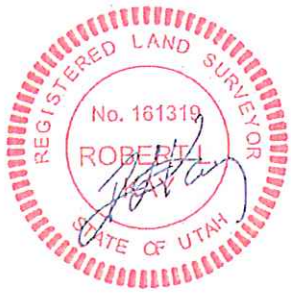
Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

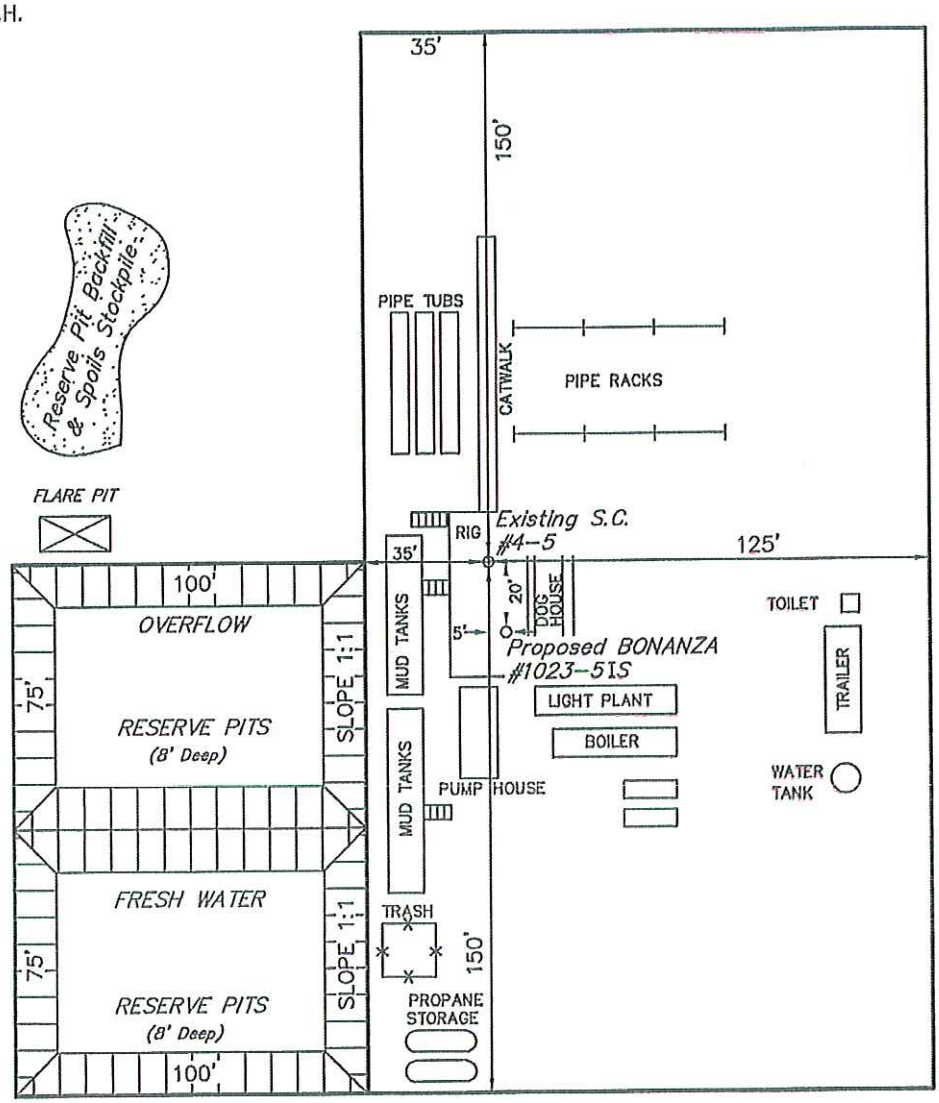
LOCATION LAYOUT FOR

BONANZA #1023-5IS
SECTION 5, T10S, R23E, S.L.B.&M.
1635' FSL 1008' FEL





SCALE: 1" = 50'
DATE: 06-10-08
Drawn By: C.H.

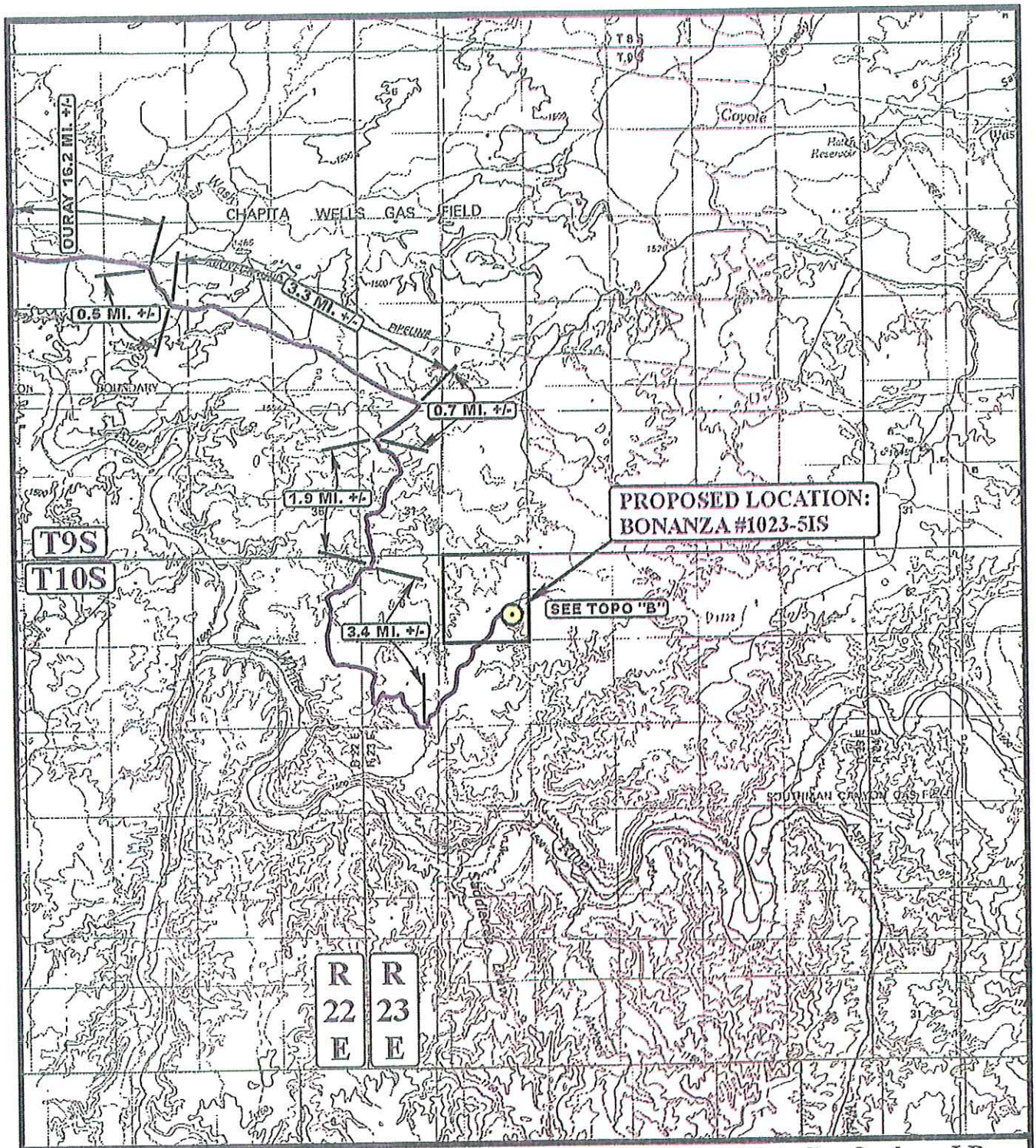


NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5301.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well No: 43047501690000



LEGEND:

⊙ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5IS

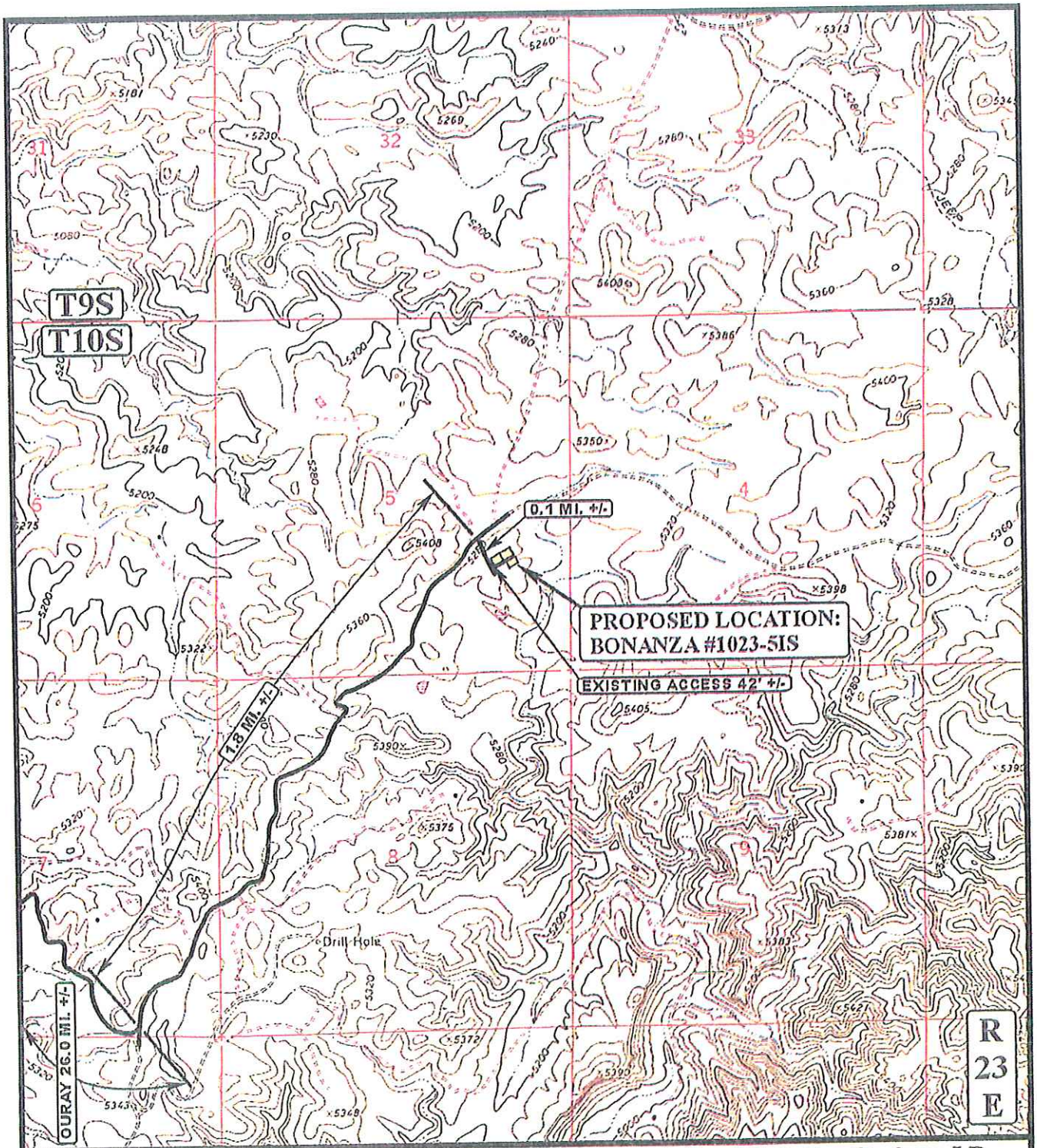
SECTION 5, T10S, R23E, S.L.B.&M.

1635' FSL 1008' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	07 MONTH	10 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.J.	REVISED: 00-00-00		

API Well No: 43047501690000



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5IS

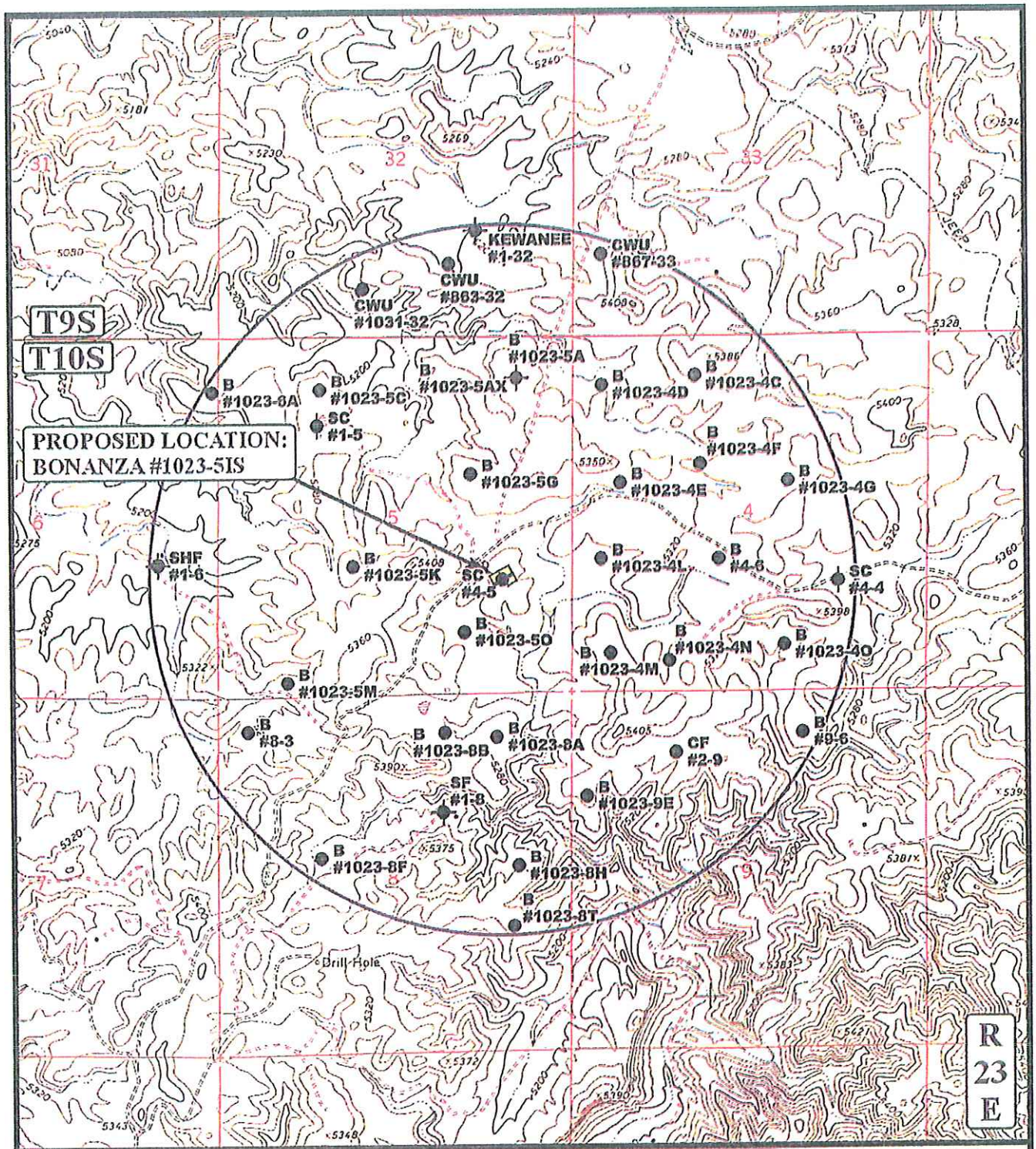
SECTION 5, T10S, R23E, S.L.B.&M.

1635' FSL 1008' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	07 MONTH	10 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 00-00-00		

API Well No: 43047501690000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5IS
SECTION 5, T10S, R23E, S.L.B.&M.
1635' FSL 1008' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 07 MONTH | 10 DAY | 08 YEAR

SCALE: 1" = 2000' | DRAWN BY: J.J. | REVISED: 00-00-00

C TOPO

Weatherford

Drilling Services

Proposal

Anadarko E&P Company LP

ANADARKO PETROLEUM

BONANZA #1023-5IS
FILE: PLAN 1
SEPTEMBER 22, 2008

Weatherford International Ltd.
2000 Oil Drive
Casper, Wyoming 82604
+1.307.265.1413 Main
+1.307.235.3958 Fax
www.weatherford.com

API Well No: 43047501690000

Anadarko Petroleum Corporation

Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA #1023-5IS
Well: BONANZA #1023-5IS
Wellbore: BONANZA #1023-5IS
Design: Design #1
Latitude: 39° 58' 30.870 N
Longitude: 109° 20' 39.280 W
GL: 5301.70
KB: WELL @ 5319.70ft (Original Well Elev)

Weatherford®

CASING DETAILS

TVD	MD	Name	Size
2000.00	2000.00	9 5/8"	9-5/8

WELL DETAILS: BONANZA #1023-5IS

Ground Level: 5301.70

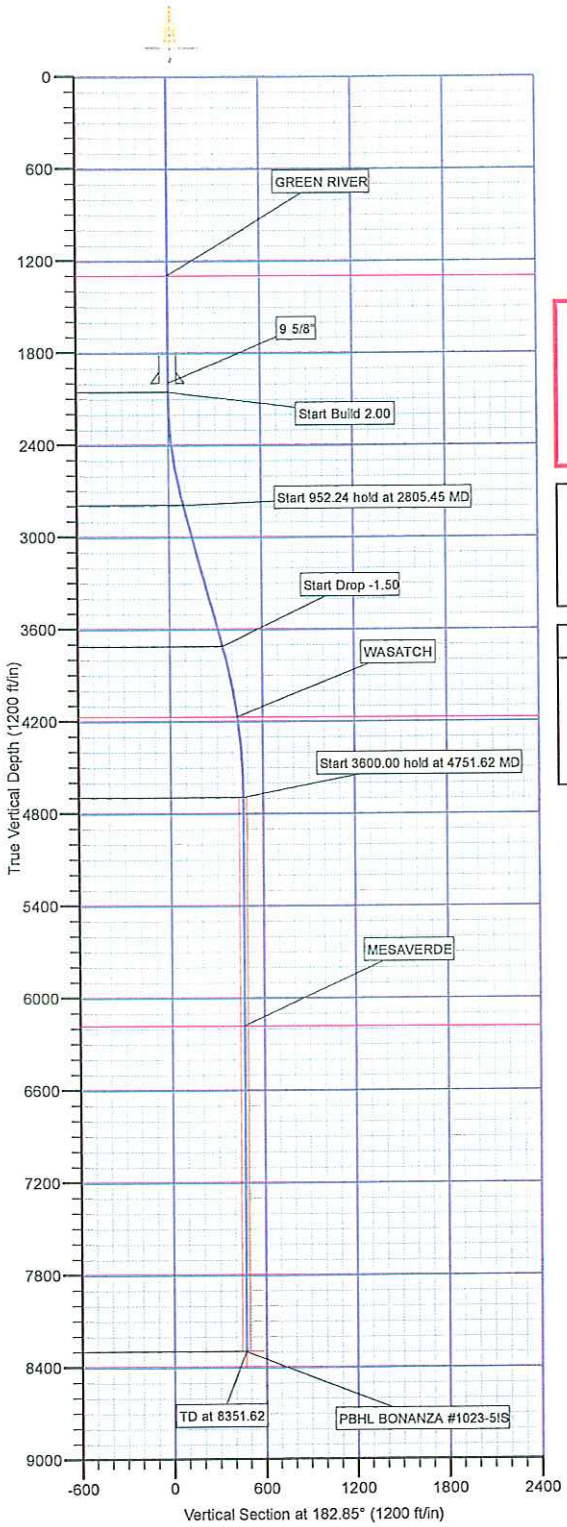
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	14521335.95	2104303.59	39° 58' 30.870 N	109° 20' 39.280 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL BONANZA #1023-5IS	8300.00	-469.44	-23.35	39° 58' 26.230 N	109° 20' 39.580 W	Circle (Radius: 25.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2060.00	0.00	0.00	2060.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
2805.45	14.91	182.85	2797.06	-96.32	-4.79	2.00	182.85	96.44	Start 952.24 hold at 2805.45 MD
3757.69	14.91	182.85	3717.25	-341.01	-16.96	0.00	0.00	341.44	Start Drop -1.50
4751.62	0.00	0.00	4700.00	-469.44	-23.35	1.50	180.00	470.02	Start 3600.00 hold at 4751.62 MD
8351.62	0.00	0.00	8300.00	-469.44	-23.35	0.00	0.00	470.02	TD at 8351.62



Azimuths to True North
Magnetic North: 11.38°

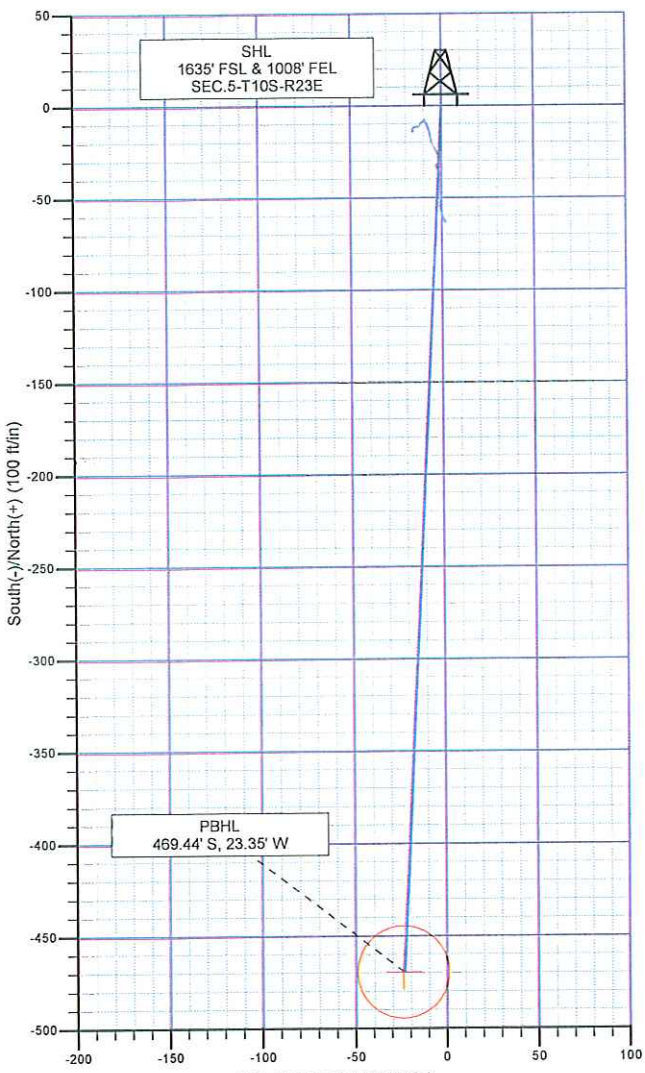
Magnetic Field
Strength: 52595.5snT
Dip Angle: 65.94°
Date: 9/22/2008
Model: BGGM2007

LEGEND

EXISTING WELL S.C #4-5, S.C. #4-5, S.C. #4-5 V0
Design #1

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1300.00	1300.00	GREEN RIVER
4177.00	4226.97	WASATCH
6186.00	6237.62	MESAVERDE



Plan: Design #1 (BONANZA #1023-5IS/BONANZA #1023-5IS)

Created By: TRACY WILLIAMS Date: 11:52, September 22 2008

Anadarko Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
BONANZA #1023-5IS
BONANZA #1023-5IS

BONANZA #1023-5IS

Plan: Design #1

Standard Planning Report

22 September, 2008

Weatherford®

Anadarko Petroleum Corporation

Weatherford International Ltd.
Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Company:	ANADARKO PETROLEUM CORP.	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Project:	UINTAH COUNTY, UTAH (nad 27)	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site:	BONANZA #1023-5IS	**North Reference:**	True
Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BONANZA #1023-5IS		
Design:	Design #1		

Project UINTAH COUNTY, UTAH (nad 27),

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site BONANZA #1023-5IS

Site Position:		**Northing:**	14,521,335.95 ft	**Latitude:**	39° 58' 30.870 N
From:	Lat/Long	**Easting:**	2,104,303.59 ft	**Longitude:**	109° 20' 39.280 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	1.06 °

Well BONANZA #1023-5IS

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,521,335.95 ft	**Latitude:**	39° 58' 30.870 N
	+E/-W	0.00 ft	**Easting:**	2,104,303.59 ft	**Longitude:**	109° 20' 39.280 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,301.70 ft

Wellbore BONANZA #1023-5IS

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	9/22/2008	11.38	65.94	52,596

Design Design #1

Audit Notes:

Version:	**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	182.85

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,060.00	0.00	0.00	2,060.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,805.45	14.91	182.85	2,797.06	-96.32	-4.79	2.00	2.00	0.00	182.85	
3,757.69	14.91	182.85	3,717.25	-341.01	-16.96	0.00	0.00	0.00	0.00	
4,751.62	0.00	0.00	4,700.00	-469.44	-23.35	1.50	-1.50	0.00	180.00	
8,351.62	0.00	0.00	8,300.00	-469.44	-23.35	0.00	0.00	0.00	0.00	PBHL BONANZA #

Anadarko Petroleum Corporation

Weatherford International Ltd.
Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Company:	ANADARKO PETROLEUM CORP.	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Project:	UINTAH COUNTY, UTAH (nad 27)	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site:	BONANZA #1023-5IS	**North Reference:**	True
Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BONANZA #1023-5IS		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,060.00	0.00	0.00	2,060.00	0.00	0.00	0.00	0.00	0.00	0.00
Start 952.24 hold at 2805.45 MD									
2,805.45	14.91	182.85	2,797.06	-96.32	-4.79	96.44	2.00	2.00	0.00
Start Drop -1.50									
3,757.69	14.91	182.85	3,717.25	-341.01	-16.96	341.44	0.00	0.00	0.00
Start 3600.00 hold at 4751.62 MD									
4,751.62	0.00	0.00	4,700.00	-469.44	-23.35	470.02	1.50	-1.50	17.82
TD at 8351.62									
8,351.62	0.00	0.00	8,300.00	-469.44	-23.35	470.02	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL BONANZA #10 - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,300.00	-469.44	-23.35	14,520,866.16	2,104,288.96	39° 58' 26.230 N	109° 20' 39.580 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,000.00	2,000.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,300.00	1,300.00	GREEN RIVER		0.00	
4,226.97	4,177.00	WASATCH		0.00	
6,237.62	6,186.00	MESAVERDE		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,060.00	2,060.00	0.00	0.00	Start Build 2.00
2,805.45	2,797.06	-96.32	-4.79	Start 952.24 hold at 2805.45 MD
3,757.69	3,717.25	-341.01	-16.96	Start Drop -1.50
4,751.62	4,700.00	-469.44	-23.35	Start 3600.00 hold at 4751.62 MD
8,351.62	8,300.00	-469.44	-23.35	TD at 8351.62

Anadarko Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
BONANZA #1023-5IS
BONANZA #1023-5IS

BONANZA #1023-5IS
Design #1

Anticollision Report

22 September, 2008

Weatherford®

Anadarko Petroleum Corporation

Weatherford International Ltd.

Anticollision Report

Weatherford

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Reference Site:	BONANZA #1023-5IS	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	BONANZA #1023-5IS	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**		

Survey Tool Program **Date** 9/22/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	8,351.62	Design #1 (BONANZA #1023-5IS)	MWD	MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
BONANZA #1023-5IS EXISTING WELL S.C #4-5 - S.C. #4-5 - S.C. #4-5	2,281.54	2,281.37	8.88	-1.23	0.878	Level 1, CC, ES, SF

Offset Design BONANZA #1023-5IS - EXISTING WELL S.C #4-5 - S.C. #4-5 - S.C. #4-5

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Survey Program: 100-NS-GYRO-MS

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-132.30	-14.16	-15.57	21.05				
100.00	100.00	100.00	100.00	0.09	0.11	-131.70	-14.00	-15.72	21.05	20.85	0.20	104.736	
200.00	200.00	200.04	200.04	0.32	0.37	-130.58	-13.63	-15.92	20.96	20.27	0.68	30.605	
300.00	300.00	300.09	300.08	0.54	0.56	-130.27	-13.35	-15.76	20.65	19.55	1.10	18.763	
400.00	400.00	400.04	400.04	0.77	0.77	-129.95	-13.07	-15.60	20.35	18.81	1.54	13.234	
500.00	500.00	500.04	500.04	0.99	1.03	-128.85	-12.64	-15.70	20.15	18.13	2.02	9.962	
600.00	600.00	600.00	600.00	1.22	1.29	-128.29	-12.43	-15.74	20.06	17.55	2.51	7.990	
700.00	700.00	700.09	700.08	1.44	1.52	-128.43	-12.34	-15.55	19.84	16.89	2.96	6.708	
800.00	800.00	800.09	800.08	1.67	1.72	-128.64	-12.12	-15.16	19.42	16.03	3.39	5.729	
900.00	900.00	900.01	900.00	1.89	1.97	-128.71	-12.01	-14.98	19.20	15.34	3.86	4.980	
1,000.00	1,000.00	1,000.09	1,000.08	2.12	2.22	-128.54	-11.83	-14.85	18.99	14.65	4.34	4.378	
1,100.00	1,100.00	1,100.14	1,100.13	2.34	2.44	-129.14	-11.63	-14.29	18.42	13.64	4.78	3.857	
1,200.00	1,200.00	1,200.13	1,200.12	2.56	2.62	-130.84	-11.59	-13.42	17.73	12.55	5.18	3.420	
1,300.00	1,300.00	1,300.13	1,300.11	2.79	2.81	-132.69	-11.57	-12.54	17.07	11.46	5.60	3.045	
1,400.00	1,400.00	1,400.15	1,400.14	3.01	3.05	-133.22	-11.17	-11.89	16.32	10.26	6.06	2.692	
1,500.00	1,500.00	1,500.08	1,500.06	3.24	3.31	-132.37	-10.59	-11.61	15.71	9.16	6.55	2.400	
1,600.00	1,600.00	1,600.08	1,600.06	3.46	3.57	-131.69	-10.19	-11.44	15.32	8.29	7.03	2.178	
1,700.00	1,700.00	1,700.21	1,700.18	3.69	3.83	-130.70	-9.44	-10.98	14.48	6.96	7.52	1.926	
1,800.00	1,800.00	1,800.09	1,800.06	3.91	4.08	-130.22	-8.82	-10.42	13.65	5.65	8.00	1.707	
1,900.00	1,900.00	1,900.09	1,900.06	4.14	4.33	-130.56	-8.60	-10.05	13.23	4.76	8.47	1.562	
2,000.00	2,000.00	2,000.09	2,000.05	4.36	4.59	-130.34	-8.28	-9.76	12.80	3.84	8.95	1.429	Level 3
2,060.00	2,060.00	2,060.09	2,060.05	4.50	4.75	-130.05	-8.07	-9.60	12.54	3.30	9.25	1.357	Level 3
2,100.00	2,100.00	2,100.08	2,100.05	4.58	4.85	48.20	-7.94	-9.49	12.19	2.76	9.43	1.292	Level 3
2,200.00	2,199.94	2,199.98	2,199.94	4.75	5.11	61.74	-7.78	-9.34	10.16	0.31	9.85	1.032	Level 2
2,281.54	2,281.32	2,281.37	2,281.34	4.89	5.23	91.30	-7.91	-9.28	8.88	-1.23	10.11	0.878	Level 1, CC, ES, SF
2,300.00	2,299.72	2,299.78	2,299.74	4.92	5.26	100.37	-7.98	-9.25	8.99	-1.18	10.17	0.884	Level 1

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anadarko Petroleum Corporation

Weatherford International Ltd.
Anticollision Report

Weatherford

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Reference Site:	BONANZA #1023-5IS	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	BONANZA #1023-5IS	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design BONANZA #1023-5IS - EXISTING WELL S.C #4-5 - S.C. #4-5 - S.C. #4-5

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Survey Program: 100-NS-GYRO-MS

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,400.00	2,399.20	2,399.30	2,399.26	5.10	5.33	142.56	-8.37	-9.06	14.26	3.87	10.38	1.373	Level 3
2,500.00	2,498.27	2,498.42	2,498.39	5.30	5.40	160.79	-8.77	-8.90	25.94	15.36	10.58	2.451	
2,600.00	2,596.81	2,597.14	2,597.11	5.52	5.50	168.69	-9.28	-8.55	41.84	31.03	10.81	3.870	
2,700.00	2,694.69	2,695.16	2,695.12	5.77	5.63	172.83	-9.92	-7.98	61.35	50.29	11.06	5.546	
2,805.45	2,797.06	2,798.21	2,798.16	6.08	5.74	175.03	-10.91	-7.73	85.47	74.18	11.29	7.570	
2,900.00	2,888.43	2,890.14	2,890.08	6.39	5.83	176.27	-12.20	-7.45	108.44	96.86	11.58	9.367	
3,000.00	2,985.07	2,987.84	2,987.77	6.74	5.95	177.30	-13.93	-6.76	132.42	120.51	11.91	11.120	
3,100.00	3,081.70	3,084.54	3,084.45	7.12	6.07	177.92	-15.82	-6.29	156.23	143.99	12.25	12.757	
3,200.00	3,178.33	3,180.89	3,180.78	7.52	6.19	178.34	-17.32	-5.95	180.44	167.85	12.59	14.331	
3,300.00	3,274.97	3,277.97	3,277.85	7.93	6.33	178.64	-18.63	-5.65	204.87	191.91	12.96	15.811	
3,400.00	3,371.60	3,375.32	3,375.19	8.36	6.47	178.93	-20.09	-5.17	229.15	215.82	13.33	17.188	
3,500.00	3,468.23	3,472.34	3,472.20	8.80	6.63	179.19	-21.65	-4.54	253.34	239.61	13.73	18.452	
3,600.00	3,564.87	3,569.21	3,569.06	9.25	6.80	179.44	-23.17	-3.80	277.58	263.44	14.14	19.635	
3,700.00	3,661.50	3,665.87	3,665.69	9.70	6.98	179.65	-24.62	-3.03	301.89	287.34	14.55	20.742	
3,757.69	3,717.25	3,721.54	3,721.37	9.97	7.08	179.74	-25.38	-2.65	315.98	301.18	14.80	21.351	
3,800.00	3,758.20	3,762.42	3,762.24	10.15	7.16	179.80	-25.92	-2.40	326.12	311.11	15.01	21.726	
3,900.00	3,855.42	3,859.85	3,859.66	10.52	7.33	179.90	-27.11	-1.94	348.33	332.83	15.50	22.471	
4,000.00	3,953.22	3,958.12	3,957.92	10.88	7.51	179.96	-28.35	-1.67	367.94	351.96	15.98	23.027	
4,100.00	4,051.54	4,055.78	4,055.57	11.22	7.67	179.98	-29.55	-1.60	385.00	368.57	16.43	23.435	
4,200.00	4,150.30	4,152.93	4,152.72	11.53	7.82	179.98	-30.35	-1.67	399.87	383.02	16.85	23.728	
4,300.00	4,249.43	4,251.31	4,251.10	11.83	7.97	179.96	-30.78	-1.85	412.52	395.25	17.27	23.891	
4,400.00	4,348.88	4,350.89	4,350.68	12.10	8.13	179.94	-31.19	-1.97	422.60	404.93	17.67	23.917	
4,500.00	4,448.56	4,450.52	4,450.30	12.34	8.28	179.94	-31.61	-2.03	430.07	412.01	18.06	23.819	
4,600.00	4,548.42	4,550.12	4,549.91	12.55	8.44	179.92	-31.98	-2.20	434.97	416.54	18.42	23.608	
4,700.00	4,648.38	4,649.34	4,649.13	12.74	8.57	179.88	-32.25	-2.50	437.35	418.59	18.76	23.316	
4,751.62	4,700.00	4,700.32	4,700.11	12.83	8.63	2.71	-32.29	-2.67	437.64	418.74	18.91	23.147	
4,760.26	4,708.64	4,708.85	4,708.64	12.84	8.64	2.71	-32.29	-2.70	437.64	418.71	18.93	23.114	
4,800.00	4,748.38	4,748.10	4,747.89	12.91	8.69	2.69	-32.26	-2.83	437.67	418.61	19.06	22.965	
4,900.00	4,848.38	4,848.15	4,847.93	13.07	8.83	2.65	-32.06	-3.14	437.85	418.45	19.40	22.569	
5,000.00	4,948.38	4,949.61	4,949.40	13.24	8.99	2.63	-32.12	-3.23	437.78	418.02	19.77	22.147	
5,100.00	5,048.38	5,050.37	5,050.15	13.40	9.18	2.65	-32.49	-3.10	437.43	417.26	20.16	21.696	
5,200.00	5,148.38	5,150.42	5,150.20	13.57	9.39	2.67	-32.91	-2.98	437.02	416.43	20.58	21.233	
5,300.00	5,248.38	5,250.32	5,250.10	13.74	9.61	2.69	-33.32	-2.87	436.60	415.60	21.01	20.783	
5,400.00	5,348.38	5,350.07	5,349.86	13.92	9.83	2.72	-33.70	-2.68	436.24	414.80	21.44	20.349	
5,500.00	5,448.38	5,450.05	5,449.83	14.09	10.05	2.75	-34.03	-2.41	435.91	414.04	21.87	19.930	
5,600.00	5,548.38	5,550.25	5,550.02	14.27	10.28	2.79	-34.40	-2.18	435.56	413.25	22.31	19.522	
5,700.00	5,648.38	5,650.36	5,650.14	14.44	10.51	2.81	-34.80	-2.02	435.16	412.42	22.75	19.129	
5,800.00	5,748.38	5,750.41	5,750.19	14.62	10.74	2.83	-35.22	-1.90	434.75	411.57	23.19	18.751	
5,900.00	5,848.38	5,851.23	5,851.01	14.80	10.97	2.85	-35.70	-1.76	434.29	410.66	23.63	18.382	
6,000.00	5,948.38	5,952.82	5,952.59	14.98	11.20	2.90	-36.52	-1.41	433.50	409.43	24.07	18.009	
6,100.00	6,048.38	6,054.25	6,054.01	15.16	11.43	2.98	-37.71	-0.91	432.36	407.84	24.51	17.637	
6,200.00	6,148.38	6,155.56	6,155.31	15.35	11.66	3.01	-39.19	-0.73	430.90	405.95	24.95	17.268	
6,300.00	6,248.38	6,256.12	6,255.86	15.53	11.88	3.00	-40.91	-0.88	429.19	403.80	25.39	16.905	
6,400.00	6,348.38	6,356.11	6,355.83	15.72	12.10	3.00	-42.65	-0.98	427.45	401.63	25.82	16.555	
6,500.00	6,448.38	6,456.62	6,456.33	15.90	12.32	3.01	-44.44	-0.99	425.67	399.41	26.26	16.212	
6,600.00	6,548.38	6,557.54	6,557.23	16.09	12.55	3.02	-46.43	-1.03	423.69	397.00	26.70	15.870	
6,700.00	6,648.38	6,657.38	6,657.05	16.28	12.77	3.03	-48.55	-1.10	421.57	394.43	27.14	15.535	
6,800.00	6,748.38	6,756.45	6,756.10	16.47	13.00	3.03	-50.48	-1.16	419.62	392.04	27.58	15.217	
6,900.00	6,848.38	6,856.45	6,856.08	16.66	13.23	3.05	-52.28	-1.16	417.83	389.80	28.02	14.911	
7,000.00	6,948.38	6,957.16	6,956.77	16.85	13.47	3.10	-54.24	-0.90	415.90	387.42	28.47	14.606	
7,100.00	7,048.38	7,057.48	7,057.07	17.04	13.71	3.18	-56.35	-0.42	413.82	384.89	28.93	14.305	
7,200.00	7,148.38	7,157.52	7,157.08	17.23	13.95	3.26	-58.48	0.02	411.71	382.33	29.39	14.011	

Anadarko Petroleum Corporation

Weatherford International Ltd.

Anticollision Report

Weatherford

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Reference Site:	BONANZA #1023-5IS	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	BONANZA #1023-5IS	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design BONANZA #1023-5IS - EXISTING WELL S.C #4-5 - S.C. #4-5 - S.C. #4-5

Offset Site Error: 0.00 ft

Survey Program: 100-NS-GYRO-MS

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,300.00	7,248.38	7,257.02	7,256.56	17.42	14.19	3.34	-60.59	0.49	409.63	379.79	29.84	13.726	
7,400.00	7,348.38	7,356.12	7,355.64	17.62	14.43	3.47	-62.51	1.35	407.74	377.44	30.30	13.456	
7,450.29	7,398.67	7,400.00	7,399.51	17.72	14.54	3.55	-63.31	1.86	406.92	376.40	30.52	13.333	
7,500.00	7,448.38	7,400.00	7,399.51	17.81	14.54	3.55	-63.31	1.86	409.84	379.22	30.63	13.382	
7,600.00	7,548.38	7,400.00	7,399.51	18.01	14.54	3.55	-63.31	1.86	433.30	402.45	30.84	14.048	
7,700.00	7,648.38	7,400.00	7,399.51	18.20	14.54	3.55	-63.31	1.86	476.99	445.93	31.06	15.357	
7,800.00	7,748.38	7,400.00	7,399.51	18.40	14.54	3.55	-63.31	1.86	536.00	504.72	31.28	17.137	
7,900.00	7,848.38	7,400.00	7,399.51	18.60	14.54	3.55	-63.31	1.86	605.86	574.37	31.49	19.237	
8,000.00	7,948.38	7,400.00	7,399.51	18.80	14.54	3.55	-63.31	1.86	683.26	651.55	31.71	21.546	
8,100.00	8,048.38	7,400.00	7,399.51	18.99	14.54	3.55	-63.31	1.86	765.91	733.98	31.93	23.987	
8,200.00	8,148.38	7,400.00	7,399.51	19.19	14.54	3.55	-63.31	1.86	852.29	820.14	32.15	26.512	
8,300.00	8,248.38	7,400.00	7,399.51	19.39	14.54	3.55	-63.31	1.86	941.37	909.00	32.37	29.085	
8,351.62	8,300.00	7,400.00	7,399.51	19.50	14.54	3.55	-63.31	1.86	988.16	955.69	32.48	30.425	

Anadarko Petroleum Corporation

Weatherford International Ltd.

Anticollision Report

Weatherford

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Reference Site:	BONANZA #1023-5IS	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	BONANZA #1023-5IS	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5319.70ft (Original Well Ele\Coordinates are relative to: BONANZA #1023-5IS
Offset Depths are relative to Offset Datum
Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 12N
Central Meridian is 111° 0' 0.000 W °
Grid Convergence at Surface is: 1.06°

Anadarko Petroleum Corporation

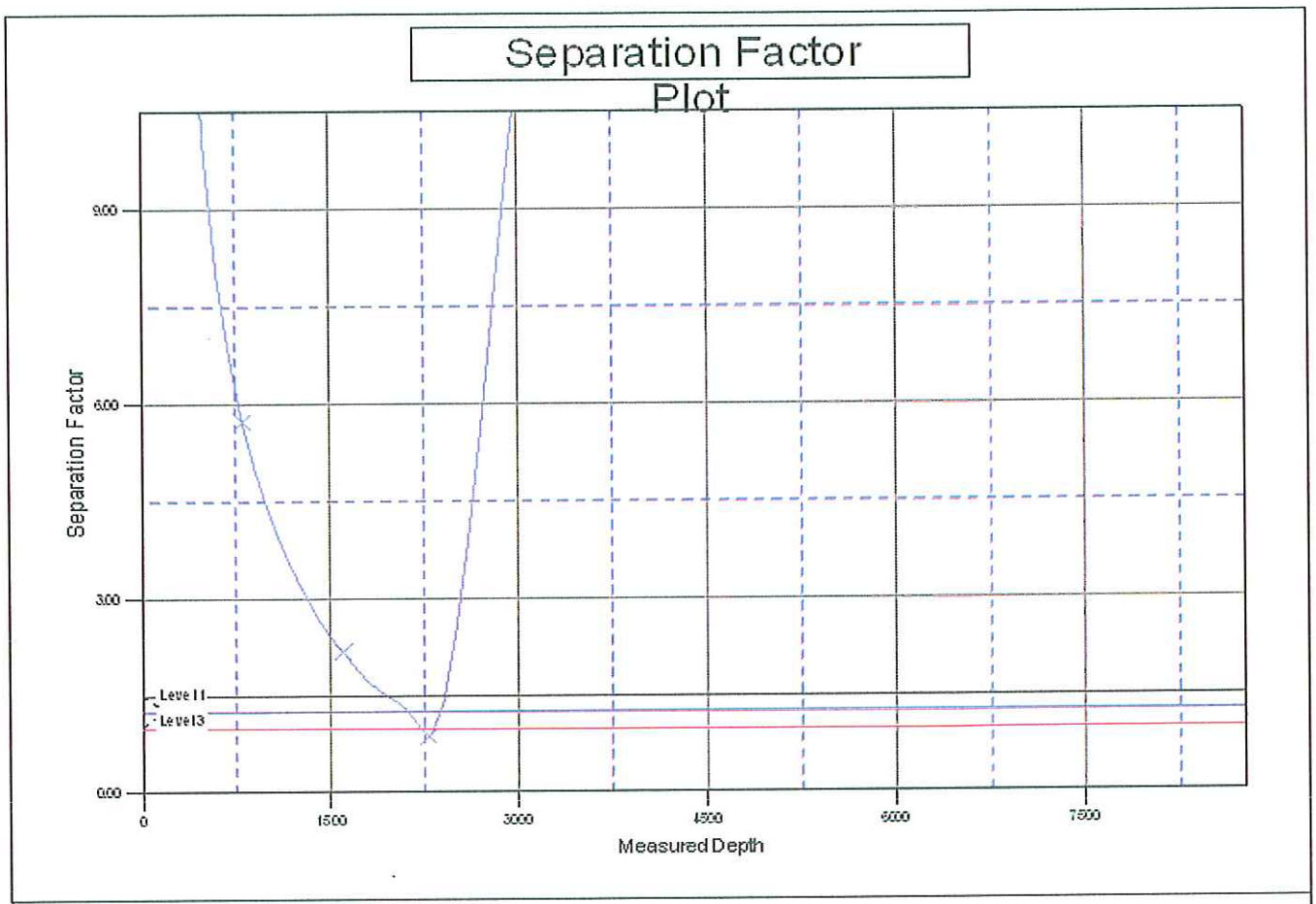
Weatherford International Ltd.

Anticollision Report

Weatherford

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well BONANZA #1023-5IS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Reference Site:	BONANZA #1023-5IS	**MD Reference:**	WELL @ 5319.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	BONANZA #1023-5IS	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	BONANZA #1023-5IS	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5319.70ft (Original Well Ele\Coordinates are relative to: BONANZA #1023-5IS
Offset Depths are relative to Offset Datum
Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 12N
Central Meridian is 111° 0' 0.000 W °
Grid Convergence at Surface is: 1.06°



LEGEND

ISTING WELLS ,C #4-5 ,S .C. #4-5, S .C. #4-5 V0

Weatherford®

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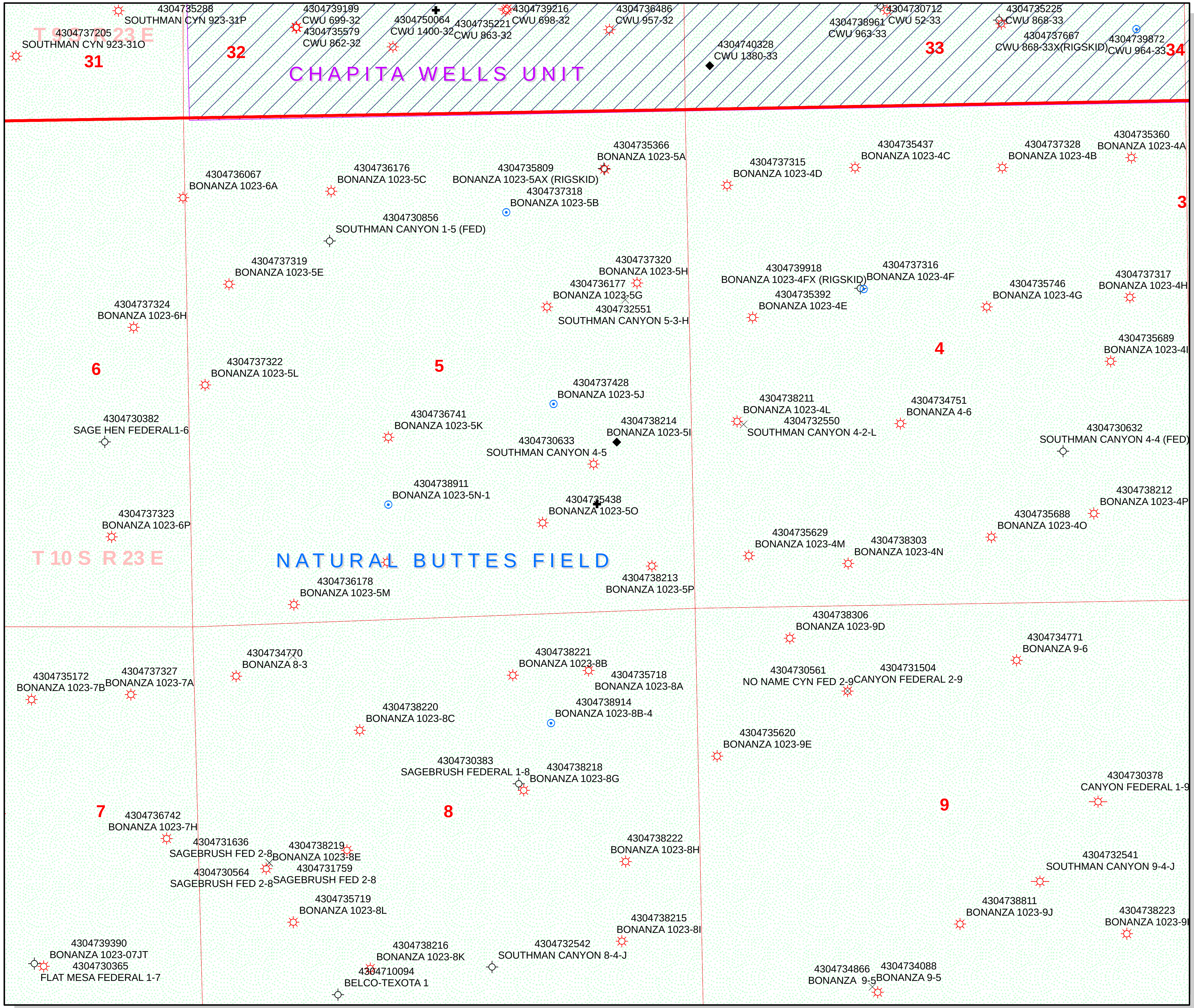


API Number: 4304750169

Well Name: Bonanza 1023-5IS

Township 10.0 S Range 23.0 E Section 5

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:

Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- ACTIVE
- COMBINED
- Sections
- Township

Wells Query Events

<all other values>

GIS_STAT_TYPE

- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS
- Bottom Hole Location

1,400 700 0 1,400 Feet

1:13,066

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/2/2008 **API NO. ASSIGNED:** 43047501690000

WELL NAME: Bonanza 1023-5IS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6226

CONTACT: Kevin McIntyre

PROPOSED LOCATION: NESE 5 100S 230E **Permit Tech Review:** ☑

SURFACE: 1635 FSL 1008 FEL **Engineering Review:** ☐

BOTTOM: 1165 FSL 1030 FEL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.97394 **LONGITUDE:** -109.34436

UTM SURF EASTINGS: 641386.00 **NORTHINGS:** 4425968.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-33433 **PROPOSED FORMATION:** WSMVD

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

LOCATION AND SITING:

- ☐ **R649-2-3.**

  Unit:
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☐ **Drilling Unit**

  Board Cause No: 179-14

  Effective Date: 6/12/2008

  Siting: 460' fr ext. drl. unit boundary
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed
WELL NM FR BONANZA 1023-5IS:

Stipulations: 4 - Federal Approval - dmason

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Bonanza 1023-5IS
API Well Number: 43047501690000
Lease Number: UTU-33433
Surface Owner: FEDERAL
Approval Date: 10/22/2008

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P. , P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of 179-14.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

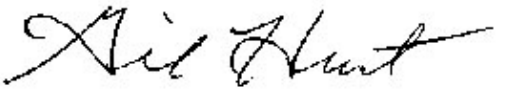
Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
Notify the Division with 24 hours of spudding the well.
- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:



Gil Hunt
Associate Director, Oil & Gas

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5PS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047501690000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/30/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing for this well due to revised drilling practices. The surface casing is changing FROM: 2,000' TO: 2,170'. Please see the attached drilling diagram for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 28, 2009

By:

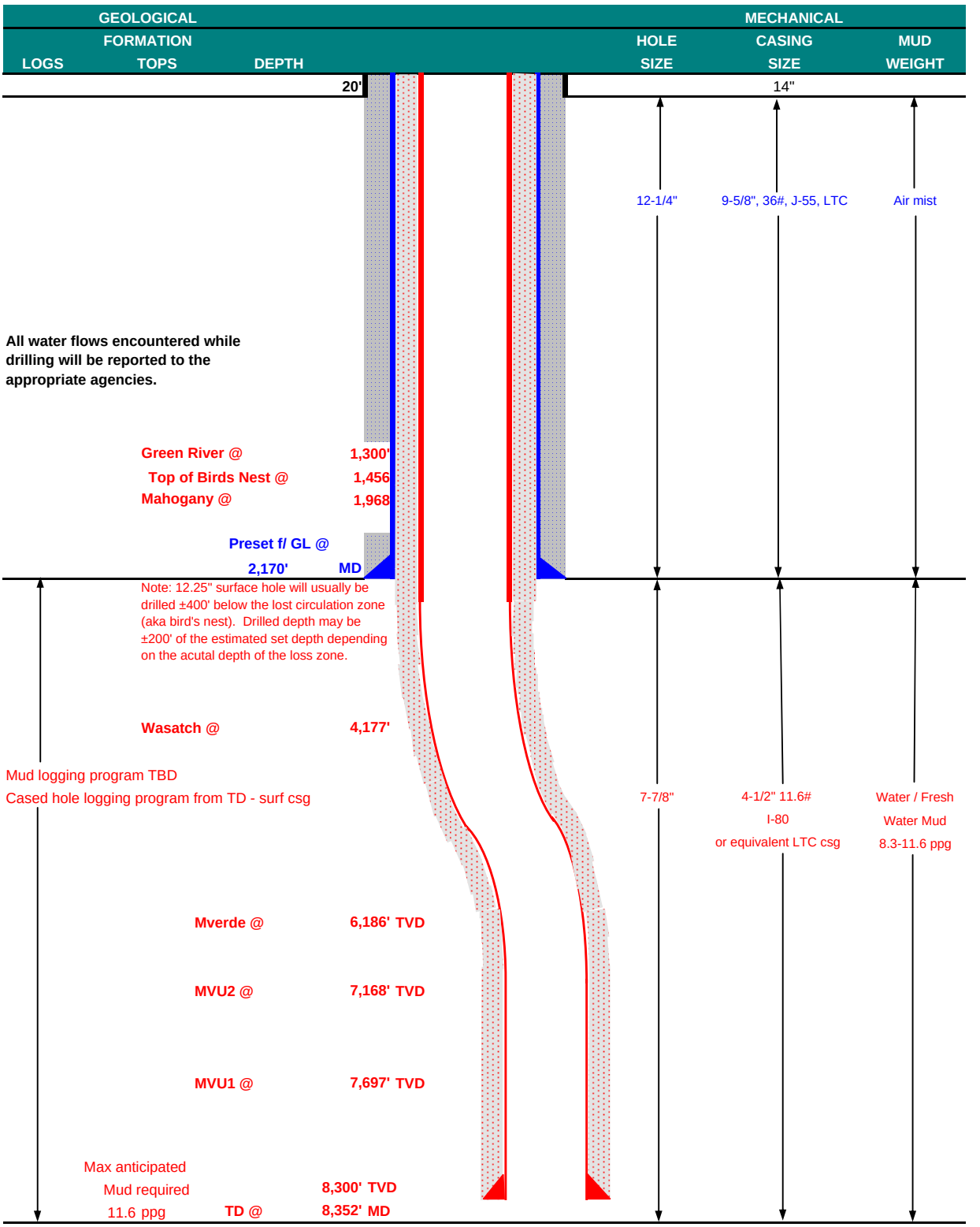
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/27/2009

RECEIVED May 27, 2009

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	May 26, 2009		
WELL NAME	**Bonanza 1023-5PS**			TD	8,300'	TVD	8,352' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	5,300' GL KB 5,315'
SURFACE LOCATION	NE/4 SE/4	1,635' FSL	1,008' FEL	Sec 5	T 10S	R 23E	
	Latitude:	39.975208	Longitude:	-109.344922		NAD 83	
BTM HOLE LOCATION	SE/4 SE/4	1,165' FSL	1,030' FEL	Sec 5	T 10S	R 23E	
	Latitude:	39.973919	Longitude:	-109.345006		NAD 83	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3520	2020	453000
SURFACE	9-5/8"	0	to	2,170	36.00	J-55	LTC	1.10	1.99	7.38
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8,352	11.60	I-80	LTC	2.45	1.27	2.38

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,087 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 4,913 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+.25 pps Flocele + 3% salt BWOW				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,672'	Premium Lite II + 3% KCl + 0.25 pps	350	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,680'	50/50 Poz/G + 10% salt + 2% gel	1150	40%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / Lovel Young

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5PS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047501690000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 6/12/2009	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 06/12/2009 AT 1200 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 15, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Upchego	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/12/2009

RECEIVED June 12, 2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750169	BONANZA 1023-5PS		NESE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	17323	6/12/2009			6/30/09	
Comments: MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 06/12/2009 AT 1200 HRS. WSMVD							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
6/12/2009
Date

RECEIVED
JUN 15 2009
DIV. OF OIL, GAS & MINING

(5/2000)

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047501690000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 7/10/2009	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2020' TO 8440' ON 07/08/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/510 SX PREM LITE II @12.0 PPG 2.28 YIELD. TAILED CMT W/1345 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/130.5 BBLS WATER BUMPED PLUG @3000 PSI OVER 500 FINAL DISPLACEMENT PSI OF 2500 FLOATS HELD FULL RETURNS THROUGH OUT JOB 70 BBLS GOOD CMT TO PITS W/1.5 BLEED BACK TO TRUCK LAND CSG W/55,000 ON HANGER RD. NIPPLE DOWN CLEAN PITS. RELEASED PIONEER RIG 69 ON 07/10/2009 AT 0600 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 23, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/22/2009

RECEIVED July 22, 2009

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

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MIRU PROPETRO AIR RIG ON 06/16/2009. DRILLED 12 1/4" SURFACE HOLE TO 2020'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 2.82 YIELD. TAILED CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DISPLACE W/149.0 BBLS WATER. TOP OUT W/525 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE HOLE STAYED FULL. WORT

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

July 28, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/22/2009

RECEIVED July 22, 2009

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5PS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047501690000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 07/30/2009 AT 2:00 PM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 03, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/3/2009

RECEIVED August 03, 2009

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/18/2009	End Date:
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
6/16/2009	0:00 - 3:00	3.00	PRPSPD	01	A	P		MIRU
	3:00 - 3:00	0.00	DRLSUR	02	A	P		SPUD 12.25 SURFACE@03:00AM 6/16/09,DRILL F/40 TO
6/17/2009	0:00 - 5:00	5.00	DRLSUR	02	A	P		DRILL W/HAMMER 1260 TO 1380
	5:00 - 11:00	6.00	DRLSUR	05		P		BITTRIP
	11:00 - 0:00	13.00	DRLSUR	02	A	P		DRILL & SURVEY F/1380 TO 1770
6/18/2009	0:00 - 13:00	13.00	DRLSUR	02	A	P		DRILL F/1770 TO TD 2020
	13:00 - 16:00	3.00	DRLSUR	05	E	P		LDDP & BHA
	16:00 - 19:00	3.00	CSG	11	B	P		RUN 1977' 9.625 #36 J55 45 JTS,
	19:00 - 0:00	5.00	CSG	15	A	P		PUMP CEMENT
7/2/2009	10:00 - 20:30	10.50	DRLPRO	01	A	P		MOVE TO BONANZA 1023-5PS,RIG 100% SET.SCOPE SUB.RURT. WESTROCK 8 HAUL,4 BED,2 FORKLIFT,2 SWAMPERS, 1 PUSHER RELEASED @ 20:30. J&C ENTERPRISE 1 OPERATOR, 2 SWAMPERS RELEASED @ 20:30
	20:30 - 0:00	3.50	DRLPRO	01	B	P		RURT,WAIT ON DAYLIGHTS TO RAISE & SCOPE DERRICK
7/3/2009	0:00 - 10:00	10.00	DRLPRO	01	B	P		RURT,WAIT ON DAYLIGHTS TO RAISE & SCOPE DERRICK,RURT
	10:00 - 13:30	3.50	DRLPRO	13	A	P		NIPPLE UP BOP
	13:30 - 18:30	5.00	DRLPRO	13	C	P		HELD SAFETY MEETING.TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES F/ 250 LOW - 5000 PSI HIGH.TEST HYDRILL 250 LOW - 2500 PSI HIGH, TEST CSG 1500 PSI & HOLD 30 MIN. INSTALL WEAR BUSHING
	18:30 - 23:00	4.50	DRLPRO	05	A	P		HELD SAFETY MEETING.RIG UP KIMZEY. PICK UP BHA,DIRECTIONAL TOOL & 27 JTS DP 1865'
	23:00 - 0:00	1.00	DRLPRO	06	D	P		SLIP & CUT DRLG LINE
7/4/2009	0:00 - 0:30	0.50	DRLIN1	08	E	P		PRESPUD RIG INSPECTION
	0:30 - 2:00	1.50	DRLIN1	02	F	P		DRILL CEMENT ,FLOAT EQUIPMENT & 25' PREDRILLED HOLE TO 2038' ROTARY SPUD 02:00 07/04/2009 CMT TOP 1889', FLOAT TOP 1971', SHOE TOP 2013'
	2:00 - 13:00	11.00	DRLIN1	02	D	P		DRILL,SLIDE & SURVEY 2038' - 2919' WOB 20, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 102/98/100, ON/ OFF PSI 1485/1370, DIFF PSI 115, VIS 26, MW 8.6
	13:00 - 13:30	0.50	DRLIN1	06	A	P		RIG SERVICE
	13:30 - 0:00	10.50	DRLIN1	02	D	P		DRILL,SLIDE & SURVEY 2919' - 3993' 1955' @ 190 FPH, WOB 18, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 120/100/108, ON/OFF PSI 1768/1564, DIFF 204, VIS 26, MW 8.6 CURRENTLY 11' ABOVE LINE 2' RIGHT
7/5/2009	0:00 - 14:30	14.50	DRLIN1	02	D	P		DRILL SLIDE & SURVEY 4437' - 5228' 791 @ 54.5 FPH, RPM 45, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 142/107/ 123, ON/OFF PSI 1947/1760, DIFF PSI 187, VIS 27, MW 8.4
	14:30 - 15:00	0.50	DRLIN1	06	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLIN1	02	D	P		DRILL VERTICAL & SURVEY 5228' - 5788' 560' @ 62.2 FPH, WOB 18, RPM 18, MRPM 100, SPM 125, GPM 454, PU/SO/ROT 158/118/135, ON OFF PSI 1778/ 1524, VIS 28, MW 8.6 CURRENTLY 11' BELOW LINE 12' RIGHT OF LINE

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/18/2009	End Date:
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/6/2009	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL 6012' - 6556' 544' 36.2 FPH, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 180/120/144, ON/OFF PSI 2021/ 1842, DIFF PSI 179, VIS 32, MW 9.1
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL 6556' - 6920' 364' 42.8 FPH, WOB 20, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 180/125/145, ON/OFF PSI 2145/1817, DIFF PSI 328, VIS 35, MW 10.1, 10' WEST & 11' NORTH F/ CENTER OF LINE
7/7/2009	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL 6920'- 7537' 617' @ 41.1 FPH, WOB 24, RPM 55, MRPM 104, SPM 125, GPM 473, UP/DN/ROT 195/120/155, ON/OFF PSI 2448/2288, DIFF PSI 160, VIS 35,MW 11.0
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL 7537' - 8046' 509' 59.8 FPH, WOB 24, RPM 55, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 205/125/155, ON/OFF PSI 2690/2528, DIFF 162, VIS 38, WT 11.8. HOLE SEEPING, MIX LCM SWEEP
7/8/2009	0:00 - 14:00	14.00	DRLPRO	02	D	P		DRILLF/ 8046' - 8440' 394' @ 28.14' PH,TVD 8400' TD @ 14:00 HRS 7/8/09, WOB 22-24, RPM 55, MM 104, SPM 125, GPM 473, UP/DN/ROT 205/125/160, ON/OFF 2700/2500 DIFF 200, WT 12.0#, VIS 39
	14:00 - 15:30	1.50	DRLPRO	04	C	P		C&C F/ SHORT TRIP
	15:30 - 22:30	7.00	DRLPRO	05	E	P		SLOW OFF BOTTOM DRAG 30-50 OVER,POOH TO SHOE, TIH TO 5000' FILL PIPE,TIH, 5' FILL, 10' FLARE ON BOTTOMS UP GAS
	22:30 - 0:00	1.50	DRLPRO	04	C	P		C&C HOLE CLEAN, HPJSM W/ RIG & L/D CREWS,R/U LD CREW
7/9/2009	0:00 - 7:30	7.50	DRLPRO	05	B	P		LDDP, BREAK KELLY,L/D BHA, PULL ROT RUBBER
	7:30 - 15:30	8.00	DRLPRO	10	C	P		HPJSM W/ RIG & LOGGING CREWS, R/U & RUN TRIPLE COMBO TO 8427', LOG OUT, R/D & PULL WEAR BUSHING
	15:30 - 22:30	7.00	DRLPRO	11	B	P		HPJSM W/ RIG & CASING CREWS, R/U & RUN 8434' 4 1/2" PROD CASING, R/D
	22:30 - 0:00	1.50	DRLPRO	04	A	P		C&C HOLE TO CEMENT, HPJSM W/RIG & CEMENTING CREWS
7/10/2009	0:00 - 3:00	3.00	PROD	15	A	P		CEMENT, PSI TEST TO 5000 PSI, POMP 40 BBLS WATER SPACER, LEAD 510 SXS 12 PPG 2.29 YLD, TAIL 1345 SXS 14.3 1.31 YLD, DROP PLUG & DISPLACE W/ 130.5 BBLS WATER, BUMP PLUG @ 3000 PSI 500 OVE FINAL DISPLACEMENT PSI OF 2500,FLOATS HELD, FULL RETURNS THOUGHOUT JOB, 70 BBLS GOOD CEMENT TO PITS W/ 1.5 BLEAD BACK TO TRUCK, LAND CASING W 55,000 ON HANGER, R/D
	3:00 - 6:00	3.00	PROD	13	A	P		N/D & CLEAN PITS, RELEASE RIG @ 06:00 7/10/09

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/23/2009	End Date: 7/29/2009
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/22/2009	7:00 - 7:30	0.50	MIRU	48				MOVING EQUIP
	7:30 - 7:30	0.00	MIRU	30				RD FROM NBU 1022-4L1T MOVE TO BON 1023-5PS SPOT EQUIP RU RIG ND WELLHEAD NU BOPS RU FLOOR & TUB EQUIP BOPS BROKE SDFN
7/23/2009	7:00 - 7:30	0.50	COMP	48				JSA
	7:30 - 7:30	0.00	COMP	30				TALLEY @ PU PIPE TAG @ 8283' 266 JNTS OF 2-3/8" J-55 TUB EST CIRC C/O TO 8388' POOH ND BOPS NU FRAC VALVES
7/24/2009	7:00 - 7:30	0.50	COMP	48				JSA W/L SAFETY
	7:30 - 15:00	7.50	COMP	30				MI RU TESTERS PRESS TEST CASING & FRAC VALVES TO 7000 PSI RU SCH W/L PERF MESA VERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8157'-8159', 4 SPF, 90* PH, 8 HOLES 8200,-8202', 4 SPF, 90* PH, 8 HOLES 8222,-8224', 4 SPF, 90* PH , 8 HOLES 8254'-8256', 4 SPF, 90* PH, 8 HOLES 8352'-8354', 4 SPF, 90* PH, 8 HOLES SWIFW READY TO FRAC MON
7/27/2009	7:00 - 7:30	0.50		48				JSA FRACING

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/23/2009	End Date: 7/29/2009
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 7:30	0.00	COMP	36	E	P		MI RU SCHLUMBER FRAC EQUIP, FRAC STG #1 MESA VERDE 8157'-8354' STG# 1 WHP=1500# BRK DN PERFS@ 3956# , INJ PSI= 4500# , INJ RT= 51.5 , ISIP=2500# , FG=.73, PUMPED 763.7 BBLSSLICK WTR W/21646# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP= 2400#, FG=.72, AR=40.8, AP=4295, MR= 51.6, MP=6611#, NPI=-100#, W/ 40/40 CALC PERFS OPEN 100%. STAGE#2 PU RIH W/HALIBURTON 8K CBP @ 8097', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE.4 SPF, 90* PH, 8065'-8067' 8HOLES 8002'-8004' 8 HOLES 7960'-7962' 8 HOLES 7928'-7930' 8 HOLES 7884'-7886' 8HOLES WHP= 2085# BRK DN PERFS@2614 # , INJ PSI=4100 # , INJ RT=51.5 , ISIP=2250# , FG=.71, PUMPED 2720.5 BBLSSLICK WTR W/104078# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=2400 #, FG=.73., AR=49.2, MR=51.8 MP=6982#, NPI=150#, W/ 40/40 CALC PERFS OPEN 100%. STAGE#3 PU RIH W/HALIBURTON 8K CBP @ 7814', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE.4 SPF, 90* P' 8HOLES 7782'-7784" 8 HOLES 7740'-7742' 8 HOLES 7677'-7679" 8 HOLES 7640'-7644' 16HOLES WHP= 780# BRK DN PERFS@3685 # , INJ PSI=3600 # , INJ RT=50 , ISIP=1550# , FG=.63, PUMPED 1283.8 BBLSSLICK WTR W/# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=1950 #, FG=.68., AR=45.7, MR=50.1 MP=4694#, NPI=-400#, W/ 39/40 CALC PERFS OPEN 96% STAGE#4 PU RIH W/HALIBURTON 8K CBP @ 7576', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE.4 SPF, 90* PH, 7542'-7546' 16HOLES 7500'-7502' 8 HOLES 7472'-7474" 8 HOLES 7444'-7446' 8 HOLES WHP= 231# BRK DN PERFS@3327 # , INJ PSI=4550 # , INJ RT=51BPM , ISIP=1900# , FG=.68, PUMPED 893.7 BBLSSLICK WTR W/33746# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=1900 #, FG=.68., AR=45.1, MR=51.6 MP=4985#, NPI=0#, W/ 31/40 CALC PERFS OPEN 78%. STAGE#5 PU RIH W/HALIBURTON 8K CBP @ 7376', PERF MESA VERDE USING 3-3/8" EXPEND,

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/23/2009	End Date: 7/29/2009
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
								23 GRM, .036" HOLE.4 SPF, 90* PH, 7332'-7336' 16HOLES 7268'-7270 ' 8 HOLES 7228'-7232' 16 HOLES WHP= 70# BRK DN PERFS@3387 # , INJ PSI=5050 # , INJ RT=51BPM , ISIP=1985# , FG=.70, PUMPED 721.3 BBLSSLICK WTR W/26453# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=1950 #, FG=.70., AR=44.3, MR=51.7 MP=5372#, NPI=35#, W/ 26/40 CALC PERFS OPEN 65% STAGE#6 PU RIH W/HALIBURTON 8K CBP @ 7166', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE. 7132'-7136 4 SPF, 90* PH, 16 HOLES 7096'-7098' 4 SPF, 90* PH 8 HOLES 7016'-7018' 4 SPF, 90* PH 8 HOLES 6986'-6988' 3 SPF, 120* PH 6 HOLES 6946'-6948' 3 SPF, 120* PH 6 HOLES WHP= 61# BRK DN PERFS@2939 # , INJ PSI=4100 # , INJ RT=51.5 BPM , ISIP=2150# , FG=.74, PUMPED 715.9 BBLS SLICK WTR W/25774# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=2400 #, FG=.77., AR=45.7, MR=51.6 MP=4474#, NPI=250#, W/ 44/44 CALC PERFS OPEN 100% STAGE#7 PU RIH W/HALIBURTON 8K CBP @ 6868, PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE 4 SPF, 90* PH. 6832'-6838' 24 HOLES 6798'-6802' 16 HOLES
7/28/2009	7:00 - 7:30	0.50	COMP	48		P		JSA FRAC SAFETY

ROCKIES

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/23/2009	End Date: 7/29/2009
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 15:00	7.50	COMP	30				FRAC STAGE STAGE #7 WHP= 1330# BRK DN PERFS@4823 # , INJ PSI=3650 # , INJ RT=51.5 , ISIP=2100# , FG=.7, PUMPED 704.6 BBLSSLICK WTR W/25157# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=1950 #, FG=.72., AR=43.3, MR=51.6 MP=4823#, NPI=-150#, W/ 31/40 CALC PERFS OPEN 77%. STAGE#8 PU RIH W/HALIBURTON 8K CBP @ 8748', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GRM, .036" HOLE.4 SPF, 90* PH, 6564'-6566' 8HOLES 6597'-6599' 8 HOLES 6654'6656' 8 HOLES 6690'-6692' 8 HOLES 6718,-6718' 8HOLES WHP= 250# BRK DN PERFS@3804 # , INJ PSI=3350 # , INJ RT=51.5 , ISIP=1550# , FG=.66, PUMPED 2726 BBLSSLICK WTR W/107675# 30/50 MESH, W/5000# REIN COAT IN TAIL, ISIP=2050 #, FG=.74., AR=49.3, MR=51.8 MP=4386#, NPI=490#, W/ 40/40 CALC PERFS OPEN 100%. RIH W/ HALIBURTON 8K CBP @ 6514', RD MO SCHLUMBERGER FRAC & W/L PU POBS ASSM TIH TAG KILL PLUG PU PWR SWVL SWIFN
7/29/2009	7:00 - 7:30	0.50	COMP	48		P		JSA PWR SWIVEL SAFETY

ROCKIES
Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/23/2009	End Date: 7/29/2009
Active Datum: RKB @5,318.00ft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 7:30	0.00	COMP					0 PSI ON WELL EST CIRC W/ RIG PUMP PLUG#1] DRILL THROUGH HALLIBURTON 8K CBP @6514' IN 8 MIN W/ 600# INCREASE PLUG#2] CONTINUE TO RIH TAG SAND @6718'{30' FILL} C/O & DRLL THROUGH 8K CBP @6748' IN 10 MIN W/300# INCREASE. PLUG#3] CONTINUE TO RIH TAG SAND @6838{30' FILL} C/O & DRLL THROUGH 8K CBP @6868' IN 10 MIN W/200# INCREASE. PLUG#4] CONTINUE TO RIH TAG SAND @7136'{30' FILL} C/O & DRLL THROUGH 8K CBP @7166' IN 12 MIN W/500# INCREASE. PLUG#5] CONTINUE TO RIH TAG SAND @7346{30' FILL} C/O & DRLL THROUGH 8K CBP @7376' IN 12 MIN W/300# INCREASE. PLUG#6] CONTINUE TO RIH TAG SAND @7546'{30' FILL} C/O & DRLL THROUGH 8K CBP @7576' IN 14 MIN W/300# INCREASE. PLUG#7] CONTINUE TO RIH TAG SAND @7784'{30' FILL} C/O & DRLL THROUGH 8K CBP @7814' IN 12 MIN W/400# INCREASE. PLUG#8] CONTINUE TO RIH TAG SAND @8067'{30' FILL} C/O & DRLL THROUGH 8K CBP @8097' IN 12 MIN W/700# INCREASE. CONTINUE IN HOLE TAG SAND @8351' {40' FILL} C/O CIRC CLEAN LD 18 JNTS LAND TUB ON HANGER ND BOPS NU WELLHEAD DROP BALL PUMP OFF BIT TURN WELL OVER TO FBC TUB= 325 CAS= 1800 FLOWING
7/30/2009	2:00 -		PROD	50				. WELL TURNED TO SALE @ 0200 HR ON 7/30/2009 - FTP 1975#, CP 2800#, 1.2 MCFD, 30BWPD, 16/64 CK
	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1950#, 20/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3185 BBLS LEFT TO RECOVER: 6451

API Well No: 43047501690000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-5PS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047501690000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6587 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/30/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing for this well due to revised drilling practices. The surface casing is changing FROM: 2,000' TO: 2,170'. Please see the attached drilling diagram for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 28, 2009

By:

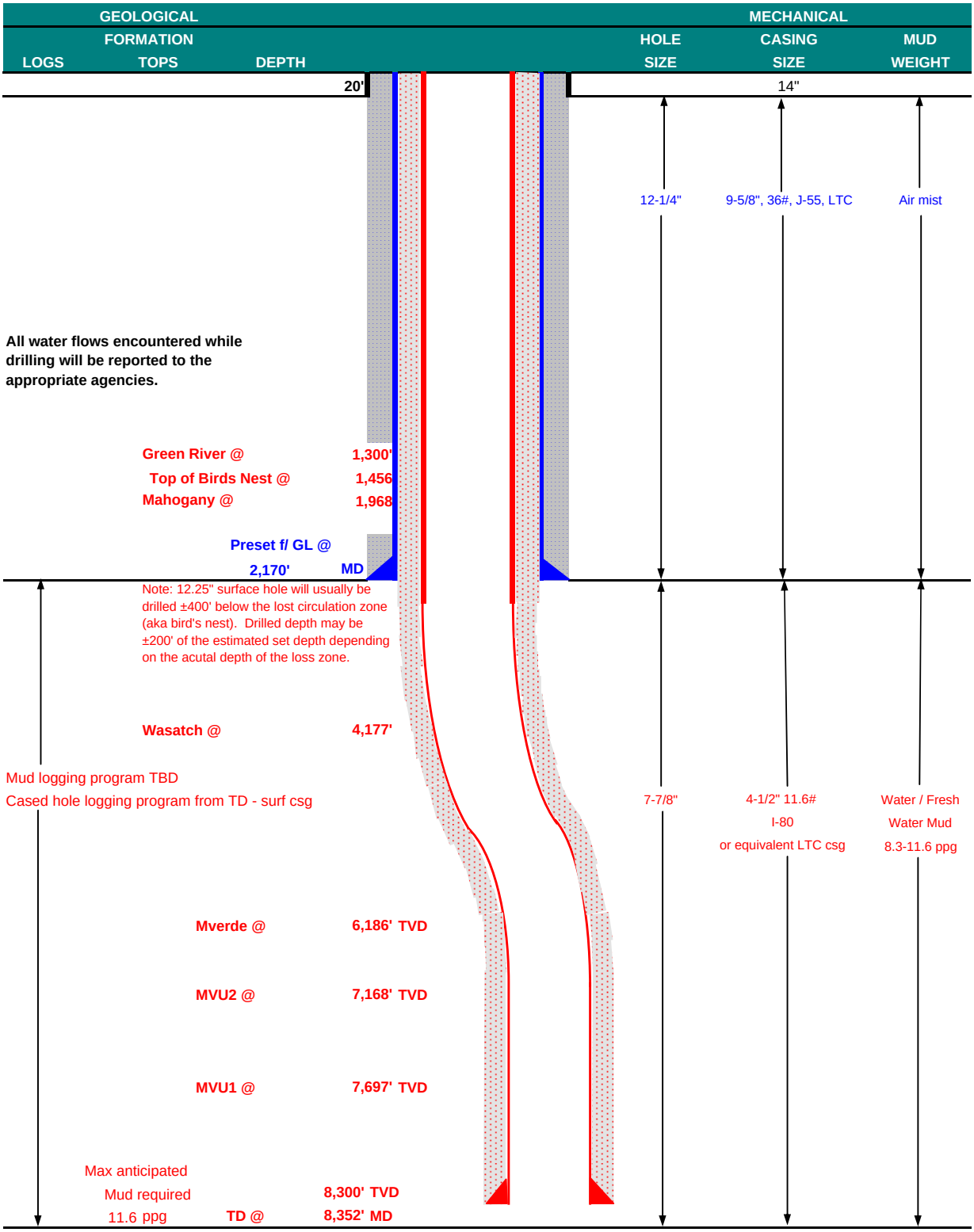
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		5/27/2009

RECEIVED May 27, 2009

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	May 26, 2009		
WELL NAME	**Bonanza 1023-5PS**			TD	8,300'	TVD	8,352' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	5,300' GL KB 5,315'
SURFACE LOCATION	NE/4 SE/4	1,635' FSL	1,008' FEL	Sec 5	T 10S	R 23E	
	Latitude:	39.975208	Longitude:	-109.344922		NAD 83	
BTM HOLE LOCATION	SE/4 SE/4	1,165' FSL	1,030' FEL	Sec 5	T 10S	R 23E	
	Latitude:	39.973919	Longitude:	-109.345006		NAD 83	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2,170	36.00	J-55	LTC	1.10	1.99	7.38
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8,352	11.60	I-80	LTC	2.45	1.27	2.38

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,087 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 4,913 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+.25 pps Flocele + 3% salt BWOW				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,672'	Premium Lite II + 3% KCl + 0.25 pps	350	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,680'	50/50 Poz/G + 10% salt + 2% gel	1150	40%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-5PS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047501690000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/7/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the well to drill the Bonanza 1023-5I Pad, which consists of the following wells: Bonanza 1023-5I1BS, Bonanza 1023-5G4DS, Bonanza 1023-5I1CS, Bonanza 1023-5J3AS and Bonanza 1023-5I4BS. Please see attached procedures.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 09, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		2/7/2012

RECEIVED: Feb. 07, 2012

Well Name: BONANZA 1023-5PS 2/1/12
Surface Location: NESE Sec. 5, T10S, R23E
Uintah County, UT

API: 43043750169 **LEASE#:** UTU-33433

ELEVATIONS: 5300' GL 5318' KB

TOTAL DEPTH: 8440' **PBTD:** 8351'

SURFACE CASING: 9 5/8", 36# J-55 @ 2020'

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8440'
TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55 @ 7837' (According to completion daily report dated 7/29/09)

PERFORATIONS: MESAVERDE 6564' – 8354'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3428	0.3132	0.0558

GEOLOGICAL TOPS:
4218' Wasatch
6241' Mesaverde

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the **BONANZA 1023-5I** pad wells. Return to production as soon as possible once completions are done.

RECEIVED: Feb. 07, 2012

BONANZA 1023-5PS TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx Class "G" cement needed for procedure

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.

2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE**.

3. **PLUG #1, ISOLATE MV PERFORATIONS (6564' – 8354'):** RIH W/ 4 ½" CBP. SET @ ~6510'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6410'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

4. **PLUG #2, PROTECT TOP OF WASATCH (4218'):** PUH TO ~4320'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4110' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.

5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.

6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 2/1/12

RECEIVED: Feb. 07, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5PS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047501690000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1635 FSL 1008 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 5/2/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the temporary abandonment operations on the subject well location on 5/2/2012. This well was plugged in order to expand and drill the Bonanza 1023-5I Pad wells. Please see the attached chronological well history for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 11, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 6/10/2012

RECEIVED: Jun. 10, 2012

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH-UINTAH	Site: BONANZA 1023-5I PAD	Rig Name No: MILES 2/2
Event: ABANDONMENT	Start Date: 4/17/2012	End Date: 4/26/2012
Active Datum: RKB @5,318.00usft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/17/2012	7:00 - 7:30	0.50	ABANDT	48		P		WIRE LINEING
	7:30 - 18:30	11.00	ABANDT	45		P		MIRU, UNLAND TBG, TBG STUCK, RU SUPERIOR, PUMP 100 BBLS WFR WITH CHEMICAL DWN CSG, WORK TBG , TBG BROKE LOSE AT 70,000# PULLWITH ABOUT 80 BBLS PUMPED, RU PRS, SCAN TBG,TBG WAS PARTED AT 200 JTS PLUS 2' OF JT 201, WALL ATE THRU, VERY HEAVY SCALE FROM JT 165 TO 201 WITH LARGE HOLES IN SOME JTS, 6307.96' LEFT 48 JTS IN HOLE, RU CUTTERS, RUN GYRO, 6208' RUN GAUGE RING 6208', POOH, RD CUTTERS, LD TBG ON TLR, , SWIFN
4/18/2012	7:00 - 7:30	0.50	ABANDT	48		P		MILLING
	7:30 - 18:30	11.00	ABANDT	44		P		PU 3 7/8" MILL, SN, BIT SUB, TIH WITH 195 JTS TO 6198', TAG SCALE, PWR SWIVEL DWN, GET NEW PWR SWIVEL,RU PWR SWIVEL, RU FOAM TECH, BREAK CIRC, MILL474" SCALE, TAG FISH TOP AT 6682',SWIFN
4/19/2012	7:00 - 7:30	0.50	ABANDT	48		P		FISHING
	7:30 - 18:00	10.50	ABANDT	44		P		PU FISHING BHA, PUP JT 4.1', X/O 1.76', 3 3/8" JARS, 8.48', BUMPER SUB, 4.58', 3 7/8' OVERSHOT, 2.68' TOTAL 21.60',TIH WITH 210 JTS TO 6682', RU FOAM UNIT, BREAK CIRC, RU PWR SWIVEL, TRY TO LATCH ON FISH. LATCHED ON POOH HAD 6" PIECE OF TBG. SWIFN
4/20/2012	7:00 - 7:30	0.50	ABANDT	48		P		FISHING
	7:30 - 17:00	9.50	ABANDT	44		P		TIH WIH FISH BHA WITH 210 JTS,PLUS 10',6692', TAG FISH, LATCH ON OVERSHOT, FISH STUCK, JAR ON FISH, PULL 75,000#, CONT TO JAR TBG TO BREAK LOOSE.CONT TO JAR TBG TO BREAK LOOSE JARED 3.5 HRS ON FISH, PUMPE4D 10 GAL WFR TO BREAK LOSE TBG, TBG PARTED, POOH HAD 6" OF FISH, PU WASH PIPE , SHOE, OVERSHOT, BHA TIH TO 2400.47, 73 JTS PLUS BHA EOT 2400.47'. SWIFWE
4/23/2012	7:00 - 7:30	0.50	ABANDT	48		P		MILLING
	7:30 - 7:30	0.00	ABANDT	44		P		TIH HOLE TO TOP FISH, BREAK CIRC, WASH DWN OVER 1ST TBG COLLAR, LATCH ON WITH GRAPPLE, PULL 100,000#, CONT TO JAR TBG AT 100,000# PULL, JARRED 4 1/2 HRS, PUMP WFR DWN BACKSIDE, WHILE JARING, PULLED OUT OF HOLE, HAD 2 JTS, JARED FROM 10-3. 5 HRS, SWIFN
4/25/2012	7:00 - 7:30	0.50	ABANDT	48		P		FISHING
	7:30 - 17:00	9.50	ABANDT	44		P		PU OVERSHOT, TIH TO 6750', TAG FISH, LATCH ON FISH, RU DC WIRE LINE TIH WITH 15/16" 3- PT ASSY, TIH TO 7630' STACKED OUT, POOH PU JET CUTTER 1 11/16", TIH TO 7615', CUT TBG, POOH, RD DC, POOH WITH TBG, LAY DWN OVERSHOT,HAD 27 1/2 JTS OF FISH, 18.5 JTS STILL IN HOLE. TOF 7615' SWIFN

RECEIVED: Jun. 10, 2012

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5PS	Spud Conductor: 6/12/2009	Spud Date: 6/16/2009
Project: UTAH-UINTAH	Site: BONANZA 1023-5I PAD	Rig Name No: MILES 2/2
Event: ABANDONMENT	Start Date: 4/17/2012	End Date: 4/26/2012
Active Datum: RKB @5,318.00usft (above Mean Sea Level)	UWI: 0/10/S/23/E/5/0/NESE/6/PM/S/1,635.00/E/0/1,008.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/26/2012	7:00 - 7:30	0.50	ABANDT	48		P		SET CMT PLUS
	7:30 -		ABANDT	34		P		RU CUTTERS SET CBP@6510',RD CUTTERS.PU NC RIH W/205 JTS 2 3/8" FILL WELL PRESSURE UP 500 PSI FOR 10 MINS HELD,BLEED OFF,RU SUPERIOR TO PUMP CEMENT CLASS G, DENISTY 15.8#, 4.9 GWTR/SX, YIIELD 1.145 CUFT./SX. #1 PLUG 2.6 BBLS FRESH,2 BBLS CMT 10 SX,1 BBL FRESH,DISPLACE W/24.6 TMAC.POOH L/D 69 JTS.PLUG # 2 EOT@4323' .2.6 BBLS FRESH,4.1 BBLS CMT 20 SX ,1 BBL FRESH,15.7 BBLS DISPLACE.RD SUPERIOR.POOH LD 135 JTS .ND BOP'S CAP WELL RDMO. LAT/LONG: 39.975242/-109.344244 ELEVETION 5283'
5/2/2012	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING

RECEIVED: Jun. 10, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999	18519				5/1/2012	

Comments: Please see attachment with list of Wells in the Ponderosa Unit. 5/30/2012
lwsmvd

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
MAY 21 2012
Div. of Oil, Gas & Mining

Cara Mahler
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/21/2012
Date

(5/2000)

well_name	sec	twp	rng	api	entity		lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717		1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742		1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755		1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994		1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953		1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157		1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827		1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472		1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458		1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526		1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524		1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684		1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403		1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872		1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733		1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873		1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901		1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735		1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871		1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750		1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085		3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084		3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068		3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291		3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290		3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730		3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004		3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783		3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970		3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887		3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833		3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386		3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445		3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841		1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155		1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252		1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930		1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111		1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446		1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352		1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351		1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395		1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356		1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297		1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699		1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055		1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795		1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323		1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796		1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951		1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170		1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233		1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221		1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425		1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672		1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673		1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620		1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576		1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794		1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798		1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020		1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244		1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943		1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054		1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171		1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296		1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921		1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923		1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715		1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714		1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870		1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765		1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796		1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713		1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016		1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869		1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851		1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843	1	GW	P	NWNW		1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932	1	GW	P	NENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876	1	GW	P	NWSW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104	1	GW	P	SESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877	1	GW	S	SENW		1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358	1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354	1	GW	P	NESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564	1	GW	P	SWSW		1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903	1	GW	P	SWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397	1	GW	P	SWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353	1	GW	P	SENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392	1	GW	P	SWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510	1	GW	P	NWSE		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201	1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468		1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767		1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685		1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852		1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892		1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931		1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766		1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398		1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989		1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782		1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164		1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501		1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ✯	11	100S	230E	4304734773	13768		1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132		1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764		1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797		1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711		1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826		1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736		1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839		1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646		1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687		1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987		1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480		1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500		1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799		1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623		1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406		1	GW	P	NENW		1	MVRD	P	U-38428	N2995

✯ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688	1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988	1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492	1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495	3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987	3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410	1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395	1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668	1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625	1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624	1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645	1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734	1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135	1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496	1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565		GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319		GW		NENW	D				UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995

Form 3160- 5
(August, 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004- 0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other Instructions on reverse side.*

5. Lease Serial No.: UTU-33433
6. If Indian, Allottee, or Tribe Name: N/A
7. If Unit or CA. Agreement Name and/or No.: N/A
8. Well Name and No.: Bonanza 1023-5IS
9. API Well No.: 43-047-50169
10. Field and Pool, or Exploratory Area: Natural Buttes
11. County or Parish, State: Uintah

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: **Kerr-McGee Oil & Gas Onshore, LP**
3a. Address: P.O. Box 173779, Denver, CO 80217-3779
3b. Phone No. *(include area code)*: 720.929.6226
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: NE SE Sec. 5 T 10S R 23E
1635 FSL 1008 FEL BHL: SESE 1165' FSL & 1030 FEL, Sec. 5, T10S, R 23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/ Resume)	[ ] Water Shut-off
	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests to change the name of Bonanza 1023-5IS to Bonanza 1023-5PS.

14. I hereby certify that the foregoing is true and correct.

Name *(Printed/ Typed)*: Kevin McIntyre
Title: Regulatory Analyst

Signature: Kevin McIntyre
Date: 10/10/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OCT 29 2008

Form 3160-3
(August 2007)

RECEIVED
VERNAL FIELD OFFICE
2008 SEP 26 PM 1

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-33433

6. If Indian, Allotee or Tribe Name
N/A

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
N/A

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone

8. Lease Name and Well No.
Bonanza 1023-5N PS

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.
43 047 50169

3a. Address
P.O. Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*
720.929.6226

10. Field and Pool, or Exploratory
Natural Buttes Field

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NESE 1635' FSL & 1008' FEL LAT 39.975242 LON -109.344244 (NAD 27)
At proposed prod. zone SESE 1165' FSL & 1030' FEL, Sec. 5, T 10S, R 23E

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 5, T 10S, R 23E

14. Distance in miles and direction from nearest town or post office*
27.9 miles southeast of Ouray, Utah

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1008'

16. No. of acres in lease
1922.95

17. Spacing Unit dedicated to this well
Not a unit well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
20'

19. Proposed Depth
8,352'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5,300' GL

22. Approximate date work will start*

23. Estimated duration
10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and or plans as may be required by the BLM.

25. Signature
Name *(Printed Typed)*: Kevin McIntyre
Date: 09/24/2008

Title
Regulatory Analyst I

Approved by *(Signature)*
Name *(Printed Typed)*: Jerry Kenczka
Date: JAN 12 2009

Title: Assistant Field Manager
Lands & Mineral Resources

Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

NOTICE OF APPROVAL

*(Instructions on page 2)

NOS apd posted 9-30-08 by me

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DIV. OF OIL, GAS & MINING

UDOGM

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore, LP**	**Location:**	**NESE, Sec. 5, T10S, R23E (S)** **SESE, Sec. 5, T10S, R23E (B)**
Well No:	**Bonanza 1023-5PS**	**Lease No:**	**UTU-33433**
API No:	**43-047-50169**	**Agreement:**	**N/A**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

- All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon, a non-reflective earthtone.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre
Indian Ricegrass	*Achnatherum hymenoides*	4.0
Crested Wheatgrass	*Agropyron cristatum*	4.0
Needle and Thread Grass	*Hesperostipa comata*	4.0

  - All pounds are pure live seed.
  - All seed and mulch will be certified weed free.
  - Rates are set for drill seeding; double rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.

- Once the location is plugged and abandoned, it shall be re-contoured to natural contours, topsoil re-spread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.

- The lessee/operator is given notice that lands in the lease have been identified as containing Golden Eagle nesting habitat. No surface disturbing activities or drilling shall occur from February 1st through August 15th. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if Golden Eagles are in the area.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- **Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP (approved July 28, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.